



Since 1957, the Cimberio company has developed and introduced a wide range of ball, gate, industrial and specialty valves for many different uses from commercial and residential plumbing to agricultural systems, waterworks and other industrial applications. The name Cimberio has become synonymous the world over with high quality competitive products, and they are currently sold and installed in over 54 countries around the globe. All Cimberio valves are manufactured in one of our state of the art Italian facilities utilizing the most up to date automated methods for production, assembly, testing and packaging. Every valve is 100% tested during the manufacturing and assembly process assuring the maximum levels of performance and the highest standards of quality in accordance with ISO 9001.

We are proud of our vast catalog of both standard and unique products, including many patented designs and pride ourselves on being able to provide our customers a combination of value, quality and technical innovation unparalleled in the industry. When you have installed a Cimberio Valve you can be confident that you have installed a quality product that is *CIMply The Best!*

Certified Total Quality

Cimberio products are certified by the most prestigious and rigorous National and International Certifying Institutes. The Cimberio Quality System has been certified to the ISO 9001:2000 standard, upgrading the first ISO and BSI certification achieved in 1989.



Individual spec sheets for all valves included in this guide can be found online at www.cimberiovalve.com or can be requested by calling 877-228-9246.

BALL VALVES

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cim 17.1 Full Port Standard Pattern Ball Valve

Flat Handle • FIPT x FIPT • UL/CSA/AGA Listed



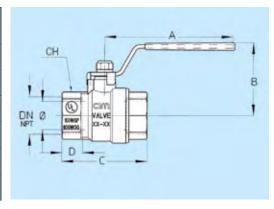


Applications:

The CIM 17.1 ball valve is manufactured in accordance with EN ISO 9001 and is designed for use with non aggressive fluids. Applications include: residential and commercial plumbing, industrial applications, agricultural systems, waterworks, high temperature hot water services, and condensate lines.

Size	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Cim No.	17-02	17-03	17-04	17-06	17-07	17-08	17-09	17-10

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Port inch	0.59"	0.79"	0.98"	1.26"	1.57"	1.97"
Port mm	15mm	20mm	25mm	32mm	40mm	50mm
A	3-9/16"	3-9/16"	4-5/16"	4-5/16"	5-15/16"	5-15/16"
	90mm	90mm	110mm	110mm	150mm	150mm
В	1-7/8"	2-1/16"	2-1/4"	2-9/16"	3-3/16"	3-7/16"
	47.5mm	52mm	56.5mm	65.5mm	81mm	88mm
С	2-3/16"	2-3/8"	2-15/16"	3-1/4"	3-3/4"	4-7/16"
	55mm	60mm	74mm	81.5mm	95.5mm	112.5mm
D	9/16"	9/16"	11/16"	11/16"	3/4"	13/16"
	14mm	14.5mm	17mm	17.5mm	18mm	20mm
СН	1"	1-1/4"	1-1/2"	1-7/8"	2-1/8"	2-5/8"
	25mm	31mm	38mm	47mm	54mm	66mm
Pounds	0.44	0.67	1.12	1.64	2.56	3.76
Grams	200	305	510	745	1160	1705



cim 17.2 Full Port Standard Pattern Ball Valve

Flat Handle • Copper x Copper • UL/CSA/AGA Listed



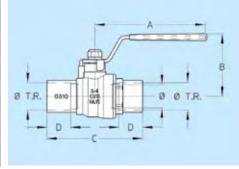


Applications:

The CIM 17.2 ball valve is manufactured in accordance with EN ISO 9001 and is designed for use with non aggressive fluids. Applications include: residential and commercial plumbing, industrial applications, agricultural systems, waterworks, high temperature hot water services, and condensate lines.

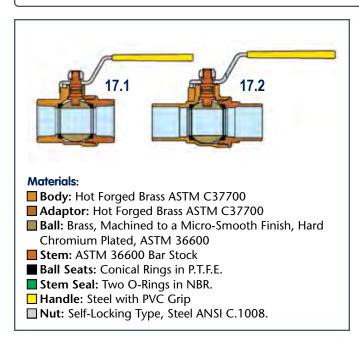
Size	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
Cim No.	17CC-02	17CC-03	17CC-04	17CC-06	17CC-07	17CC-08	17CC-09	17CC-10	17CC-11	17CC-12	17CC-14

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
Port inch	0.55"	0.75"	0.94"	1.18"	1.46"	1.85"	2.48"	2.99"	4.11"
Port mm	14mm	19mm	24mm	30mm	37mm	47mm	63mm	76mm	104mm
А	3-9/16"	3-9/16"	4-5/16"	4-5/16"	5-15/16"	5-15/16"	8-1/2"	9-7/16"	10-1/4"
	90mm	90mm	110mm	110mm	150mm	150mm	206mm	240mm	260mm
В	1-13/16"	2"	2-3/16"	2-3/8"	3-1/16"	3-3/8"	5-15/16"	6-3/4"	6-3/8"
	46.5mm	51mm	55mm	60mm	78mm	85mm	151mm	171mm	162mm
С	2-3/16"	3-1/16"	3-9/16"	4"	4-3/4"	5-3/4"	5-15/16"	6-3/4"	10-1/4"
	55mm	78.5mm	91mm	102mm	120mm	145mm	151mm	171mm	260mm
D	1/2"	3/4"	15/16"	1"	1-1/8"	1-3/8"	1-1/16"	1-1/8"	2-1/8"
	13mm	19.5mm	23mm	25mm	28mm	34mm	27mm	28mm	54mm
Pounds	0.35	0.60	0.89	1.29	2.07	3.28	9.38	13.69	24.7
Grams	160	270	405	585	940	1490	4060	6210	11,203





cim 17.1 & 17.2 Full Port Standard Pattern Ball Valves



PRESSURE/TEMPERATURE RATINGS

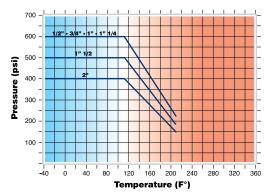
Working Pressure: 1/2" - 1-1/4": 600 PSI

1-1/2" : 500 PSI 2" : 400 PSI

Max. Operating Temperature: Working Limit for Fluids -40° F – 212° F

Test Pressures: According to ISO 5208

Vacuum: the CIM 17.1 Ball Valve can be used for Vacuum: 2x10-5 PSI



CV CM CS MT

CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI"

CM: Working Torque in "lb x in" **CS:** Starting Torque in "lb x in"

MT: Torque Breaking Point on the Stem in "lb x in"

Element: Water - Temperature: 59.9° F

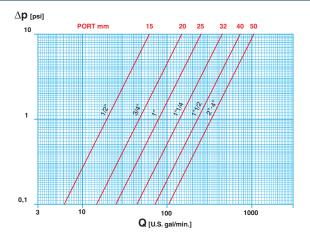
17.1 17.2	SIZE Ø mm Ø inch	1/2" 15 0.59	3/4" 20 0.79	1" 25 0.98	1-1/4" 32 1.26	1-1/2" 40 1.57	2" 50 1.97	2-1/2" 63 2.48	3" 76 2.99	4" 100 3.94
CV	gal/min	19.7	47.4	78.7	142.3	229.1	335.4	601.5	983.1	1582
СМ	N x m	3	5	6	7	10	13	16	20	30
	lb x in	27	44	53	62	89	115	142	177	266
CS	N x m	6	10	12	14	20	26	32	40	60
	lb x in	53	89	106	124	177	230	283	354	531
MT	N x m	20	24	26	26	80	80	280	280	550
	lb x in	177	213	230	230	709	709	2480	2480	4872

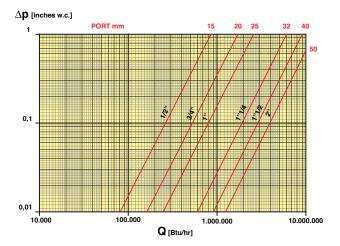
FC: Capacity is determined by the quantity in BTU/h of a gas of 0.64 SG which can be passed with a pressure drop equal to 0.3" water column

Element: Gas - Specific Gravity: 0.64

17.1	SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
	Ø mm	15	20	25	32	40	50
	Ø inch	0.59	0.79	0.98	1.26	1.57	1.97
FC	BTU/h	455,000	930,000	1,420,000	3,245,000	4,975,000	6,800,000
СМ	N x m	3	5	6	7	10	13
	lb x in	27	44	53	62	89	115
cs	N x m	6	10	12	14	20	26
	lb x in	53	89	106	124	177	230
MT	N x m	10	24	26	26	80	80
	lb x in	177	213	230	230	709	709

FLOW AND PRESSURE DROP







cim11.1 Full Port Heavy Pattern Ball Valve

Flat Handle • FIPT x FIPT • UL/CSA/AGA Listed



Applications:

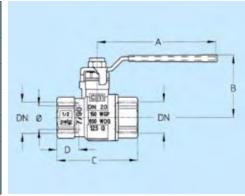
The CIM 11.1 ball valve is manufactured in accordance with EN ISO 9001 and is designed for use with non-aggressive fluids and gases. Applications include: residential and commercial plumbing, industrial applications, agricultural systems, waterworks, saturated steam or high temperature hot water services, condensate lines, as well as oil, gasoline and other hydrocarbon services.

Features:

The CIM 11.1 ball valve, which is the building block for many other Cimberio valves, is a full port ball valve built with a heavy pattern body that offers increased thread depth and includes a unique blast proof/impact proof 3 part stem design that allows handle option flexibility.

Size	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
Cim No.	11-02	11-03	11-04	11-06	11-07	11-08	11-09	11-10	11-11	11-12	11-14

Size	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
Port inch	0.39"	0.39"	0.59"	0.79"	0.98"	1.26"	1.57"	1.97"	2.48"	2.99"	3.94"
Port mm	10mm	10mm	15mm	20mm	25mm	32mm	40mm	50mm	63mm	76mm	100mm
А	2-9/16"	2-9/16"	3-1/8"	3-15/16"	3-15/16"	4-3/4"	5-15/16"	5-15/16"	9-7/16"	9-7/16"	12-1/4"
	65mm	65mm	80mm	100mm	100mm	120mm	150mm	150mm	240mm	240mm	310mm
В	1-3/8"	1-3/8"	1-13/16"	2-1/16"	2-1/4"	2-5/8"	3-3/16"	3-7/16"	5-5/16"	5-15/16"	7-1/8"
	34mm	34mm	46mm	53mm	57mm	66mm	81mm	88mm	134mm	150mm	180mm
С	7/8"	7/8"	2-7/16"	2-11/16"	3-1/4"	3-5/8"	4-1/4"	4-15/16"	5-15/16"	6-3/4"	8-1/8"
	47mm	47mm	61mm	68mm	82mm	92mm	107mm	125mm	151mm	171mm	206mm
D	1/2"	1/2"	11/16"	3/4"	13/16"	7/8"	15/16"	1-1/16"	1-1/16"	1-1/8"	1-3/8"
	12.5mm	12.5mm	17mm	18.5mm	21mm	22.5mm	23mm	26.5mm	27mm	28mm	35mm
СН	13/16"	13/16"	1"	1-1/4"	1-9/16"	1-15/16"	2-3/16"	2-3/4"	3-3/8"	3-15/16"	4-7/8"
	20mm	20mm	25mm	31mm	40mm	49mm	55mm	69mm	86mm	100mm	123mm
Pounds	0.26	0.26	0.49	0.79	1.3	2.02	2.99	4.54	9.38	13.69	22.05
Grams	120	120	220	360	590	915	1355	2060	4255	6210	10,000



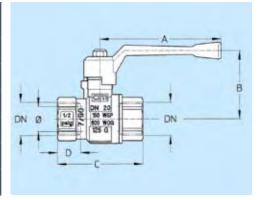
cim12.1 Heavy Pattern Ball Valve with Lever Handle

FIPT x FIPT

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
Cim No.	12-04	12-06	12-07	12-08	12-09	12-10	12-11	12-12	12-14



Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
Port inch	0.59"	0.79"	0.98"	1.26"	1.57"	1.97"	2.48"	2.99"	3.94"
Port mm	15mm	20mm	25mm	32mm	40mm	50mm	63mm	76mm	100mm
A	3-1/8"	3-15/16"	3-15/16"	4-3/4"	5-15/16"	5-15/16"	9-7/16"	9-7/16"	12-1/4"
	80mm	100mm	100mm	120mm	150mm	150mm	240mm	240mm	310mm
В	2-1/16"	2-3/16"	2-3/8"	2-7/8"	3-1/2"	3-3/4"	4-3/4"	5-3/16"	6-1/8"
	52mm	56mm	60mm	73mm	89mm	96mm	121mm	132mm	155mm
С	2-7/16"	2-11/16"	3-1/4"	3-5/8"	4-1/4"	4-15/16"	5-15/16"	6-3/4"	8-1/8"
	61mm	68mm	82mm	92mm	107mm	125mm	151mm	171mm	206mm
D	11/16"	3/4"	13/16"	7/8"	15/16"	1-1/16"	1-1/16"	1-1/8"	1-3/8"
	17mm	18.5mm	21mm	22.5mm	23mm	26.5mm	27mm	28mm	35mm
CH	1"	1-1/4"	1-9/16"	1-15/16"	2-3/16"	2-3/4"	3-3/8"	3-15/16"	4-7/8"
	25mm	31mm	40mm	49mm	55mm	69mm	86mm	100mm	123mm
Pounds	0.49	0.79	1.3	2.02	2.99	4.54	9.38	13.69	22.05
Grams	220	360	590	915	1355	2060	4255	6210	10,000





cim11.1 & 12.1 Full Port Heavy Pattern Ball Valves

Materials: Body: Hot Forged Brass ASTM C37700 Adaptor: Hot Forged Brass ASTM C37700 Ball: Brass, Machined to a Micro-Smooth Finish, Hard Chromium Plated Cap Stem: 36600 Bar Stock Ball Seats: Conical Rings in P.T.F.E. Stem Seal: Two O-Rings in FPM. Handle: Corrosion Coat Rugged Steel w/PVC Grip Handle: Hard Duraluminum Alloy Epoxy Painted Red RAL 3000 Nut: Self-Locking Type, Steel ANSI C.1008.

PRESSURE/TEMPERATURE RATINGS

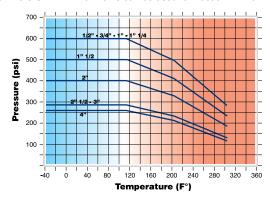
Working Pressure: 1/2" - 1-1/4": 600 PSI

1-1/2" : 500 PSI 2" : 400 PSI 2-1/2" - 3" : 290 PSI 4" : 261 PSI

Max. Operating Temperature: Working Limit for Fluids -40° F - 302° F

Test Pressures: According to ISO 5208

Vacuum: the CIM 12.1 Ball Valve can be used for Vacuum: 2x10⁻⁵ PSI



CV CM CS MT

CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI"

CM: Working Torque in "lb x in" **CS:** Starting Torque in "lb x in"

MT: Torque Breaking Point on the Stem in "lb x in"

Element: Water - Temperature: 59.9° F

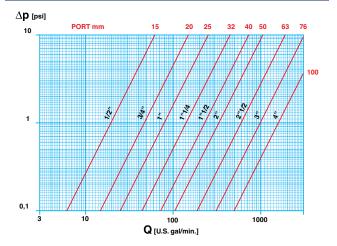
12.1	SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
	Ø mm	15	20	25	32	40	50	63	76	100
	Ø inch	0.59	0.79	0.98	1.26	1.57	1.97	2.48	2.99	3.94
CV	gal/min	19.7	47.4	78.7	142.3	229.1	335.4	601.5	983.1	1582
CM	N x m	3	5	6	7	10	13	16	20	30
	lb x in	27	44	53	62	89	115	142	177	266
cs	N x m	6	10	12	14	20	26	32	40	60
	lb x in	53	89	106	124	177	230	283	354	531
MT	N x m	10	24	24	45	90	90	280	280	550
	lb x in	89	213	213	399	797	797	2480	2480	4872

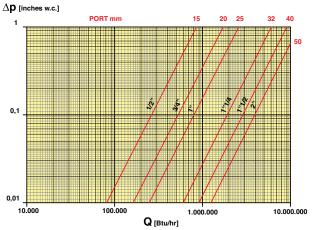
FC: Capacity is determined by the quantity in BTU/h of a gas of 0.64~SG which can be passed with a pressure drop equal to 0.3" water column

Element: Gas - Specific Gravity: 0.64

12.1	SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
	Ø mm	15	20	25	32	40	50
	Ø inch	0.59	0.79	0.98	1.26	1.57	1.97
FC	BTU/h	455,000	930,000	1,420,000	3,425,000	4,975,000	6,800,000
СМ	N x m	3	5	6	7	10	13
	lb x in	27	44	53	62	89	115
cs	N x m	6	10	12	14	20	26
	lb x in	53	89	106	124	177	230
MT	N x m	10	24	24	45	90	90
	lb x in	89	213	213	399	797	797

FLOW AND PRESSURE DROP







cimA12.1 Heavy Pattern Ball Valve with Nylon Isolation Handle

FIPT x FIPT

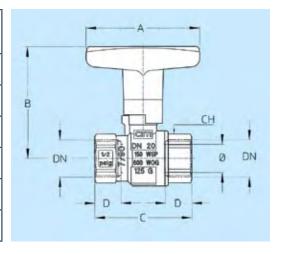


Features:

The CIM A12.1 ball valve features a nylon isolation handle to accommodate pipe insulation.

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Cim No.	A12-04	A12-06	A12-07	A12-08	A12-09	A12-10

	,	,				
Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Port inch	0.59"	0.79"	0.98"	1.26"	1.57"	1.97"
Port mm	15mm	20mm	25mm	32mm	40mm	50mm
А	3-1/8"	3-1/8"	3-1/8"	3-3/4"	4-5/16"	4-5/16"
	80mm	80mm	80mm	95mm	110mm	110mm
В	3-1/16"	3-1/4"	3-3/8"	3-3/4"	4-5/16"	4-9/16"
	77mm	81.5mm	85.5mm	96mm	109.5mm	116.5mm
С	2-7/16"	2-11/16"	3-1/4"	3-5/8"	4-1/4"	4-15/16"
	61mm	68mm	82mm	92mm	107mm	125mm
D	11/16"	3/4"	13/16"	7/8"	15/16"	1-1/16"
	17mm	18.5mm	21mm	22.5mm	23mm	26.5mm
СН	1"	1-1/4"	1-9/16"	1-15/16"	2-3/16"	2-3/4"
	25mm	31mm	40mm	49mm	55mm	69mm
Pounds	0.51	0.82	1.32	2.04	3.03	4.59
Grams	230	370	600	925	1375	2080



cimB12.1 Heavy Ball Valve w/Square Head Stem & Locking System

FIPT x FIPT

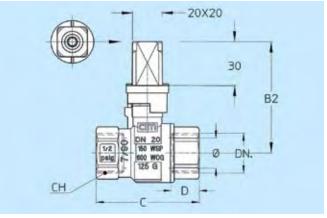


Features:

The CIM B12.1 ball valve features a locking security mechanism which is even tamper resistant to forced opening/closing. The locking mechanism is available in 12 different lock configurations and can be master keyed.

Size	1/2"	3/4"	1"	1-1/4"
Cim No.	B12-04	B12-06	B12-07	B12-08

Size	1/2"	3/4"	1"	1-1/4"
Port inch	0.59"	0.79"	0.98"	1.26"
Port mm	15mm	20mm	25mm	32mm
B1	3-3/4"	3-15/16"	4-1/8"	4-3/8"
	95mm	100.5mm	105.5mm	111mm
B2	2-3/4"	2-15/16"	3-1/16"	3-7/16"
	70mm	74.5mm	78.5mm	87mm
С	2-7/16"	2-11/16"	3-1/4"	3-5/8"
	61mm	68mm	82mm	92mm
D	11/16"	3/4"	13/16"	7/8"
	17mm	18.5mm	21mm	22.5mm
СН	1"	1-1/4"	1-9/16"	1-15/16"
	25mm	31mm	40mm	49mm
Pounds	1.21	1.49	2.01	2.69
Grams	550	675	910	1215





cim12SI.1 Heavy Pattern Ball Valve with Key Locking Handle

FIPT x FIPT

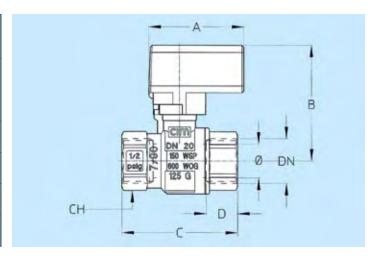


Features:

The CIM A12.1 ball valve features a locking handle that will operate in either the open or closed position, is available in 12 different lock configurations, and can be master keyed.

Size	1/2"	3/4"	1"
Cim No.	12SI-04	12SI-06	12SI-07

Size	1/2"	3/4"	1"
Port inch	0.59"	0.79"	0.98"
Port mm	15mm	20mm	25mm
А	2-3/16"	2-3/16"	2-3/16"
	56mm	56mm	56mm
В	2-1/2"	2-11/16"	2-13/16"
	64mm	68mm	72mm
С	2-7/16"	2-11/16"	3-1/4"
	61mm	68mm	82mm
D	11/16"	3/4"	13/16"
	17mm	18.5mm	21mm
СН	1"	1-1/4"	1-9/16"
	25mm	31mm	40mm
Pounds	0.88	1.17	1.71
Grams	400	530	775



cim612.1 Heavy Pattern Ball Valve with Slow Closure Handle

FIPT x FIPT

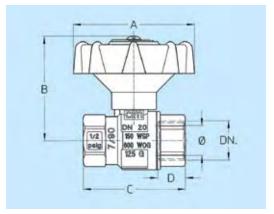


Features:

The CIM 612.1 features a speed reducing handwheel that requires a 360° rotation to open/close the valve, allowing gradual and controlled operation while preventing concussive damage and surges and vibrations in the piping system by eliminating the "water-hammer" associated with standard "on-off" ball valves.

	Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
ľ	Cim No.	612-04	612-06	612-07	612-08	612-09	612-10

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Port inch	0.59"	0.79"	0.98"	1.26"	1.57"	1.97"
Port mm	15mm	20mm	25mm	32mm	40mm	50mm
Α	3-1/8"	3-1/8"	3-1/8"	3-1/8"	4-5/16"	4-5/16"
	80mm	80mm	80mm	80mm	110mm	110mm
В	2-5/8"	2-13/16"	2-15/16"	3-5/16"	3-15/16"	4-3/16"
	67mm	71mm	75mm	83.5mm	99mm	106.5mm
С	2-7/16"	2-11/16"	3-1/4"	3-5/8"	4-1/4"	4-15/16"
	61mm	68mm	82mm	92mm	107mm	125mm
D	11/16"	3/4"	13/16"	7/8"	15/16"	1-1/16"
	17mm	18.5mm	21mm	22.5mm	23mm	26.5mm
CH	1"	1-1/4"	1-9/16"	1-15/16"	2-3/16"	2-3/4"
	25mm	31mm	40mm	49mm	55mm	69mm
Pounds	0.73	0.98	1.53	2.41	3.25	4.8
Grams	330	445	695	1093	1472	2176





cim209M.1 Heavy Pattern Ball Valve with Compression Ends

Flat Handle • Compression x Compression • UL/CSA/AGA Listed

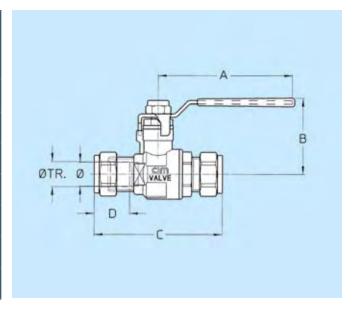


Features:

The CIM 209M.1 ball valve, which is built from the Cimberio CIM 11 building block, is a full port ball valve built with a heavy pattern body with compression ends and includes a unique blast proof/impact proof 3 part stem design that allows handle option flexibility.

Size	1/2"	3/4"	1"
Cim No.	209-04	209-06	209-07

Size	1/2"	3/4"	1"
Ø Copper Pipe inch	0.59"	0.87"	1.1"
Ø Copper Pipe mm	15mm	22mm	28mm
Port inch	0.57"	0.79"	0.98"
Port mm	14.5mm	20mm	25mm
Α	3-1/8"	3-15/16"	3-15/16"
	80mm	100mm	100mm
В	1-13/16"	2-1/16"	2-1/4"
	46mm	53mm	57mm
С	3-1/16"	3-7/16"	3-3/4"
	77mm	87mm	95mm
D	7/8"	1"	1"
	21.5mm	25mm	26mm
CH1	15/16"	1-1/4"	1-9/16"
	24mm	32mm	39mm
CH2	15/16"	1-1/4"	1-9/16"
	24mm	32mm	39mm
Pounds	0.56	0.93	1.38
Grams	255	420	625



PRESSURE/TEMPERATURE RATINGS

700 600 -500 -400 -100 -100 -40 0 40 80 120 160 200 240 280 320 360 Temperature (F°)

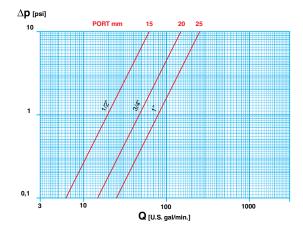
Working Pressure: 1/2": 348 PSI, 3/4" - 1": 290 PSI

Max. Operating Temperature: Working Limit for Fluids -4 $^{\circ}$ F – 248 $^{\circ}$ F

Test Pressures: According to ISO 5208

Vacuum: the CIM 209M.1 Ball Valve can be used for Vacuum: 2x10-5 PSI

FLOW AND PRESSURE DROP



CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI"

209M.1	SIZE	1/2"	3/4"	1"
CV	gal/min	19.7	47.4	78.7



cim200MC.1 Heavy Pattern Ball Valve with Dual Side Tap Drains

Flat Handle • FIPT x FIPT

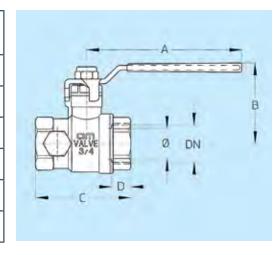


Features:

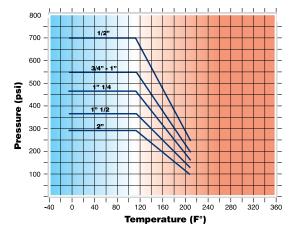
The CIM 200MC.1 ball valve, which is built from the Cimberio CIM 11 building block, is a full port ball valve built with a heavy pattern body with compression ends and includes a unique blast proof/impact proof 3 part stem design that allows handle option flexibility. The CIM 200MC.1 features two tap drains on opposite sides of the forged brass valve body.

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Cim No.	200MC-04	200MC-06	200MC-07	200MC-08	200MC-09	200MC-10

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Port inch	0.59"	0.79"	0.98"	1.26"	1.57"	1.97"
Port mm	15mm	20mm	25mm	32mm	40mm	50mm
А	3-1/8"	3-15/16"	3-15/16"	4-3/4"	5-9/16"	5-9/16"
	80mm	100mm	100mm	120mm	150mm	150mm
В	2-1/16"	2-3/16"	2-3/8"	2-7/8"	3-7/16"	3-13/16"
	52mm	56mm	60mm	73mm	88mm	96mm
С	2-1/4"	2-7/16"	3"	3-9/16"	4-1/4"	4-7/8"
	57mm	62mm	76mm	91mm	107mm	124mm
D	1/2"	1/2"	9/16"	11/16"	11/16"	13/16"
	12.5mm	12.5mm	14mm	17mm	18mm	20mm
CH	1"	1-1/4"	1-1/2"	1-7/8"	2-1/8"	2-5/8"
	25mm	31mm	38mm	47mm	54mm	66mm
Pounds	0.63	0.93	1.29	1.9	2.84	3.95
Grams	285	420	585	860	1290	1790



PRESSURE/TEMPERATURE RATINGS



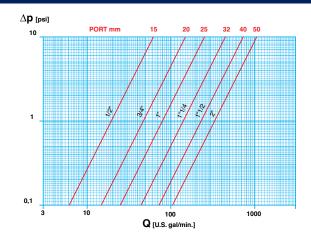
Working Pressure: 1/2": 696 PSI

3/4" - 1" : 551 PSI 1-1/4": 464 PSI 1-1/2": 363 PSI 2" : 290 PSI

Max. Operating Temperature: Working Limit for Fluids -4° F – 212° F

Test Pressures: According to ISO 5208

FLOW AND PRESSURE DROP



CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI"

200MC.1	SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
CV	gal/min	19.7	47.4	78.7	142.3	229.1	335.4



cim620.1 Heavy Pattern Ball Valve with Integral Strainer

Tee Handle • FIPT x FIPT

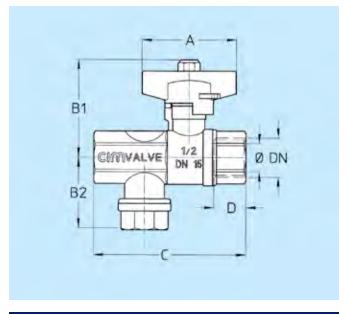


Features:

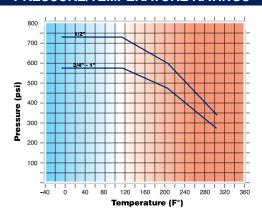
The CIM 620.1 ball valve, which is built from the Cimberio CIM 11 buildling block, is a full port ball valve built with a heavy pattern body that offers increased thread depth and includes a unique blast proof/impact proof 3 part stem design that allows handle option flexibility. The CIM 620.1 also features an integral strainer designed to collect impurities, such as sand, rust, and metal shavings, to safeguard pipes and valves from mechanical damage and deposits. The CIM 620.1's compact design incorporates two distinct functions in one unit.

Size	1/2"	3/4"	1"
Cim No.	620-04	620-06	620-07

Size	1/2"	3/4"	1"
Port inch	0.59"	0.79"	0.98"
Port mm	15mm	20mm	25mm
А	2"	2-3/4"	2-3/4"
	50mm	70mm	70mm
B1	2-1/16"	2-3/16"	2-3/8"
	52mm	56mm	60mm
B2	1-9/16"	1-11/16"	2"
	39mm	43mm	50mm
С	3-3/16"	3-5/8"	4-7/16"
	81mm	92mm	112mm
D	11/16"	3/4"	13/16"
	17mm	19mm	21mm
CH1	1"	1-1/4"	1-1/2"
	25mm	31mm	38mm
CH2	1"	1-3/16"	1-7/16"
	25mm	30mm	37mm
Pounds	0.71	1.15	1.51
Grams	320	520	685



PRESSURE/TEMPERATURE RATINGS



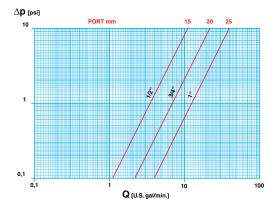
Working Pressure: 1/2" - 3/4": 725 PSI, 1": 580 PSI

Max. Operating Temperature: Working Limit for Fluids -4° F - 302° F

Test Pressures: According to ISO 5208

Vacuum: the CIM 620.1 Ball Valves can be used for Vacuum: 2x10⁻⁵ PSI

FLOW AND PRESSURE DROP



CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI"

620.1	SIZE	1/2"	3/4"	1"
CV	gal/min	3.5	6.9	12.7



cim 501.1 Heavy Pattern Ball Valve with Integral Stem Extension

Lever Handle • FIPT x FIPT

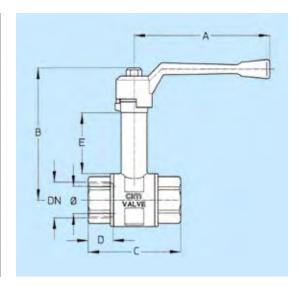


Features:

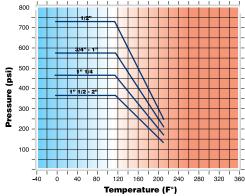
The CIM 501.1 ball valve, which is similar to the Cim 11 building block, is a full port ball valve built with a heavy pattern body that offers increased thread depth, and includes a unique blast proof/impact proof 3 part stem design with an integral stem extension that is part of the body forging. This superior design locates the stem seal, cap stem, and stem nut at the end of the stem extension to accommodate pipe insulation and eliminates potential leak points typically found with standard stem extension kits.

	Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
ſ	Cim No.	501-04	501-06	501-07	501-08	501-09	501-10

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Port inch	0.59"	0.79"	0.98"	1.26"	1.57"	1.97"
Port mm	15mm	20mm	25mm	32mm	40mm	50mm
А	3-15/16"	3-15/16"	4-3/4"	4-3/4"	5-15/16"	5-15/16"
	100mm	100mm	120mm	120mm	150mm	150mm
В	3-15/16"	4-1/16"	4-3/4"	4-7/8"	5-13/16"	6-1/8"
	100mm	104mm	120mm	124mm	148mm	155mm
С	2-3/8"	2-11/16"	3-1/4"	3-5/8"	4-1/4"	4-15/16"
	60mm	68mm	82mm	92mm	107mm	125mm
D	11/16"	3/4"	13/16"	7/8"	15/16"	1-1/16"
	17mm	18.5mm	21mm	22.5mm	23mm	26.5mm
E	1-3/4"	1-3/4"	2"	2"	2-3/16"	2-3/16"
	45mm	45mm	50mm	50mm	55mm	55mm
СН	1"	1-1/4"	1-9/16"	1-7/8"	2-3/16"	2-3/4"
	25mm	31mm	40mm	47mm	55mm	69mm
Pounds	0.76	1.05	1.79	2.41	3.68	5.47
Grams	345	475	810	1095	1670	2480



PRESSURE/TEMPERATURE RATINGS



Working Pressure: 1/2": 725 PSI

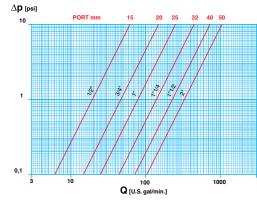
3/4" – 1" : 580 PSI 1-1/4" : 464 PSI 1-1/2" – 2" : 362 PSI

Max. Operating Temperature: Working Limit for Fluids -4° F - 212° F

Test Pressures: According to ISO 5208

Vacuum: the CIM 501.1 Ball Valves can be used for Vacuum: 2x10-5 PSI

FLOW AND PRESSURE DROP



CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI"

501.1	SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
CV	gal/min	19.7	47.4	78.7	142.3	229.1	335.4



cim356.1 Heavy Pattern Ball Valve with Integral Check Valve

Tee Handle • FIPT x FIPT

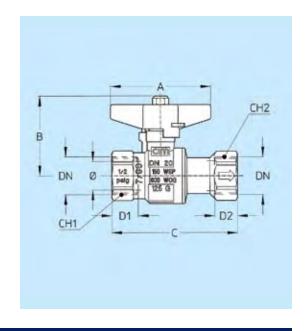


Features:

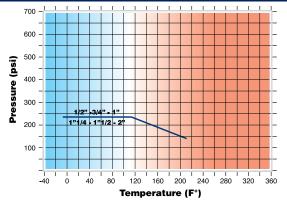
The CIM 356.1 ball valve, which is similar in design to the Cimberio CIM 11 building block, is built with a heavy pattern body that offers increased thread depth and includes a unique stem design that allows handle option flexibility. The CIM 356.1 also features an integral check valve designed to ensure limited pressure drop while maintaining security against the threat of contamination and pollution backflow. The CIM 356.1's compact design incorporates two distinct functions in one unit.

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Cim No.	356-04	356-06	356-07	356-08	356-09	356-10

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Port inch	0.59"	0.79"	0.98"	1.26"	1.57"	1.97"
Port mm	15mm	20mm	25mm	32mm	40mm	50mm
Α	2"	2-3/4"	2-3/4"	3-3/8"	3-15/16"	3-15/16"
	50mm	70mm	70mm	85mm	100mm	100mm
В	2-1/16"	2-3/16"	2-3/8"	2-7/8"	3-1/2"	3-13/16"
	52mm	56mm	60mm	73mm	89mm	96mm
С	2-15/16"	3-7/16"	4-3/16"	4-5/8"	5-1/2"	6-11/16"
	75mm	88mm	107mm	117mm	139mm	170mm
D1	11/16"	3/4"	13/16"	7/8"	15/16"	1-1/16"
	17mm	18.5mm	21mm	22.5mm	23mm	26.5mm
D2	5/8"	5/8"	13/16"	11/16"	3/4"	13/16"
	15mm	16mm	20mm	17mm	19mm	20mm
CH1	1"	1-1/4"	1-9/16"	1-15/16"	2-3/16"	2-3/4"
	25mm	31mm	40mm	49mm	55mm	69mm
CH2	1"	1-1/4"	1-1/2"	1-7/8"	2-1/8"	2-5/8"
	25mm	31mm	38mm	47mm	54mm	66mm
Pounds	0.53	0.88	1.42	2.16	3.27	5.18
Grams	240	400	645	980	1485	2350



PRESSURE/TEMPERATURE RATINGS

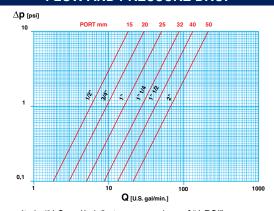


Working Pressure: 232 PSI

Max. Operating Temperature: Working Limit for Fluids -40° F - 212° F

Test Pressures: According to ISO 5208

FLOW AND PRESSURE DROP



CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI"

356.1	SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
CV	gal/min	5.8	9.3	16.2	27.7	41.6	65.9



cim204.1 Water Meter Inlet Ball Valve

FIPT x Swivel Nut



Applications:

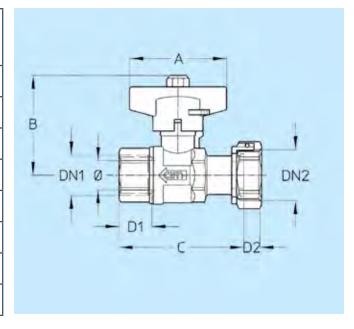
The CIM 204.1 water meter inlet ball valve, like all Cimberio ball valves designed for water meter service, is manufactured in accordance with EN ISO 9001 for use with residential and commercial water service.

Features:

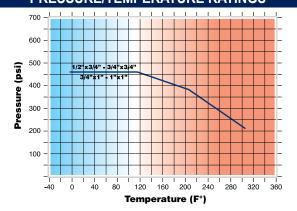
The CIM 204.1 is constructed with a lockable swivel nut for easy and quick installation of a water meter.

Size	1/2" x 3/4"	3/4" x 3/4"	3/4" x 1"	1" x 1"
Cim No.	204-0406	204-0606	204-0607	204-0707

Size DN1	1/2"	3/4"	3/4"	1"
Size DN2	3/4"	3/4"	1"	1"
Port inch	0.59"	0.59"	0.79"	0.79"
Port mm	15mm	15mm	20mm	20mm
А	2"	2"	2-3/4"	2-3/4"
	50mm	50mm	70mm	70mm
В	2-1/16"	2-1/16"	2-3/16"	2-3/16"
	52mm	52mm	56mm	56mm
С	2-1/2"	2-11/16"	3"	3-1/4"
	64mm	67.5mm	76mm	83mm
D1	11/16"	3/4"	3/4"	15/16"
	17mm	18.5mm	19mm	23mm
D2	3/8"	3/8"	3/8"	3/8"
	9mm	9mm	10mm	10mm
CH1	1"	1-1/4"	1-1/4"	1-1/2"
	25mm	31mm	31mm	38mm
CH2	1-1/4"	1-1/4"	1-7/16"	1-7/16"
	31mm	31mm	37mm	37mm
Pounds	0.54	0.63	0.93	1.04
Grams	245	285	420	470



PRESSURE/TEMPERATURE RATINGS



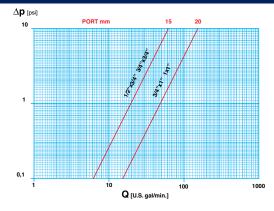
Working Pressure: 464 PSI

Max. Operating Temperature: Working Limit for Fluids -4° F - 302° F

Test Pressures: According to ISO 5208

Vacuum: The CIM204.1 ball valve can be used for vacuum: 2x10⁻⁵ PSI

FLOW AND PRESSURE DROP



CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI"

204.1	SIZE	1/2" x 3/4"	3/4" x 3/4"	3/4" x 1"	1" x 1"
CV	gal/min	19.7	19.7	47.4	47.4



cim304.1 Water Meter Outlet Ball Valve with Integral Check Valve

FIPT x Swivel Nut



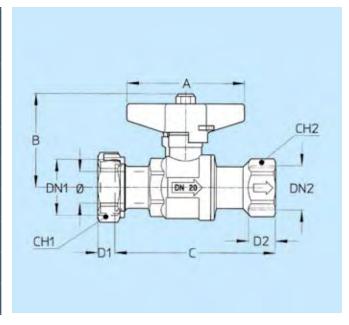
Applications & Features:

The CIM 304.1 water meter outlet ball valve is manufactured in accordance with EN ISO 9001 for use with residential and commercial water service.

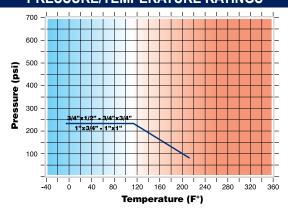
The Cim 304.1 is constructed with a lockable swivel nut to allow for easy and quick installation of a water meter. Installation times and costs are further reduced and safety improved with the inclusion of a built-in check valve designed to ensure limited pressure drop while maintaining security against the threat of contamination and pollution backflow.

Size	1/2" x 3/4"	3/4" x 3/4"	3/4" x 1"	1" x 1"
Cim No.	304-0406	304-0606	304-0607	304-0707

Size DN1	3/4"	3/4"	3/4"	1"
Size DN2	1/2"	3/4"	1"	1"
Port inch	0.59"	0.59"	0.79"	0.79"
Port mm	15mm	15mm	20mm	20mm
Α	2"	2"	2-3/4"	2-3/4"
	50mm	50mm	70mm	70mm
В	2-1/16"	2-1/16"	2-3/16"	2-3/16"
	52mm	52mm	56mm	56mm
С	3-1/16"	3-5/16"	3-13/16"	4-1/16"
	78mm	84mm	96mm	103mm
D1	3/8"	3/8"	3/8"	3/8"
	9mm	9mm	10mm	10mm
D2	5/8"	5/8"	5/8"	13/16"
	15mm	16mm	16mm	20mm
CH1	1-1/4"	1-1/4"	1-7/16"	1-7/16"
	31mm	31mm	37mm	37mm
CH2	1"	1-1/4"	1-1/4"	1-1/2"
	25mm	31mm	31mm	38mm
Pounds	0.63	0.68	1.01	1.11
Grams	285	310	460	505



PRESSURE/TEMPERATURE RATINGS



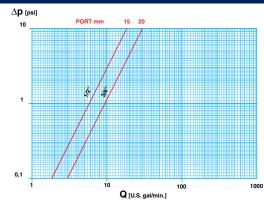
Working Pressure: 232 PSI

Max. Operating Temperature: Working Limit for Fluids -4° F – 212° F

Test Pressures: According to ISO 5208

Vacuum: The CIM304.1 ball valve can be used for vacuum: 2x10-5 PSI

FLOW AND PRESSURE DROP



CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI"

304.1	SIZE	3/4" x 1/2"	3/4" x 3/4"	1" x 3/4"	1" x 1"
CV	gal/min	5.8	5.8	9.3	9.3



cim261.1 Water Meter Installation Ball Valve

90° Flare x FIPT Shut-Off



Applications:

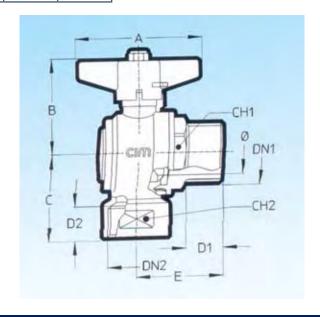
The CIM 261.1 water meter installation ball valve is manufactured in accordance with EN ISO 9000 and meets MSS SP-110 and is suitable for water meter service in residential and commercial water applications.

Features:

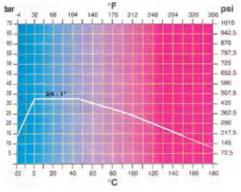
The CIM 261.1 features a 90° angle ball valve with a flare connection with nut for easy and quick installation of a water meter. The CIM 261.1 has a compact, one-piece design that eliminates unnecessary connections and leak points and reduces installation costs.

Size	3/4"	1"
Cim No.	261-06	261-07

	1	İ
Size	3/4"	1"
Port inch	0.79"	0.98"
Port mm	20mm	25mm
	2 2 4 11	
A	2-3/4"	2-3/4"
	70mm	70mm
В	2-3/16"	2-3/8"
	56mm	60mm
	3011111	Commi
С	1-3/4"	1-7/8"
	45mm	48mm
D1	11/16"	13/16"
וט		
	18mm	21mm
D2	3/4"	11/16"
	20mm	18mm
E	1-5/8"	1-15/16"
	42mm	49mm
CH1	1-1/16"	1-7/16"
OIII	27mm	36mm
	2711111	3011111
CH2	1-1/16"	1-1/2"
	27mm	38mm
·	1 000	4.45
Pounds	0.86	1.15
Grams	390	520



PRESSURE/TEMPERATURE RATINGS

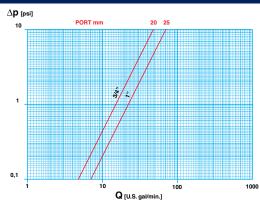


Working Pressure: 580 – 464 PSI

Max. Operating Temperature: Working Limit for Fluids -4 $^{\circ}$ F - 302 $^{\circ}$ F

Test Pressures: According to ISO 5208

FLOW AND PRESSURE DROP



CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI"

261.1	SIZE	3/4"	1"
CV	gal/min	15	22



cim334.1 Ball Bib Cock cim34SI.1 Ball Bib Cock w/Locking Handle

MIPT x Garden Hose Thread



Applications:

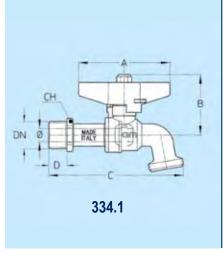
The CIM334.1 ball bib cock and the CIM 34SI.1 locking handle ball bib cock are manufactured in accordance with EN ISO 9001 and are designed for use with non aggressive fluids and gases for residential and commercial plumbing, industrial applications, agricultural systems, and condensate lines.

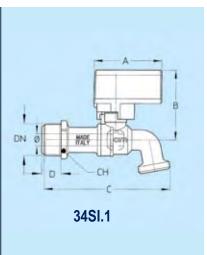
Features:

The angled through ball valve design of the CIM 334.1 and 34SI.1 provides exceptional wear resistance with maximum flow as compared to traditional bib cock design. Both of these bib cocks utilize the same unique blast proof/impact proof 3 part stem design used on the CIM 11 ball valve. The locking handle on the CIM 34SI.1 will operate in either the open or closed position and is available in 12 different lock configurations or can be master keyed.

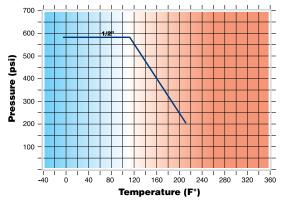
Size	1/2" x 3/4" Hose Thread	
Cim No.	334-04	34SI-04

334.1	34SI.1
1/2"	1/2"
0.39"	0.39"
10mm	10mm
2-3/4"	2-1/4"
70mm	56mm
1-13/16"	2-1/4"
46mm	58mm
4-1/16"	4-1/16"
103mm	103mm
9/16"	9/16"
14mm	14mm
15/16"	15/16"
23mm	23mm
0.59	0.97
266	440
	1/2" 0.39" 10mm 2-3/4" 70mm 1-13/16" 46mm 4-1/16" 103mm 9/16" 14mm 15/16" 23mm 0.59





PRESSURE/TEMPERATURE RATINGS

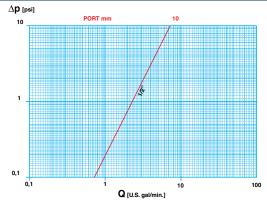


Working Pressure: 1/2": 580 PSI

Max. Operating Temperature: Working Limit for Fluids -4° F - 212° F

Test Pressures: According to ISO 5208

FLOW AND PRESSURE DROP



CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI"

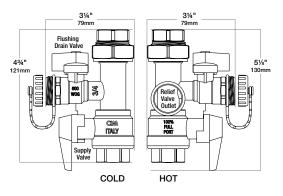
Element: Water - Temperature: 59.9° F **1/2" 334.1, 34SI.1:** CV = 2.3 gal/min

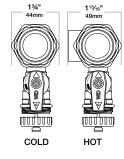


cim46#.1 cimKITT Tankless Water Heater Valve Set

FIPT Union x FIPT, Sweat, Press or Push Connection • Includes Pressure Relief Valve







Applications:

The Cimberio CimKIT[™] valve set includes one inlet and one outlet combination ball valve/union/drain and one pressure relief valve that are used in the installation of tankless water heaters.

Features:

The Cimberio CimKIT™ is an integrated valve set combining the functions of up to ten fittings to provide quick and easy installation of tankless water heaters. CimKIT's™ integrated design eliminates the need for field fabrications which could result in potential weak/leak points and increased material and labor costs. The two valve assemblies include: integrated union adapters for direct connection to the cold water inlet and hot water outlet of the tankless water heater, integrated full port supply ball valves, and integrated full port system flushing/drain ball valves with hose thread connections and linked caps. The hot water valve assembly includes an outlet access port for the included ASME rated 150 PSI relief valve. The CimKIT™ valve assemblies also feature 1/4-turn, forward facing, color coded handles that remain easily accessible, even when intsalled in recess boxes. CimKIT™ is available in four connections: FIPT, Sweat, Press (for connection to copper or stainless steel tube using standard crimp press tools) or Push (for connection to copper tube, PEX pipe or CPVC pipe without the need for tools, glue, or solder).

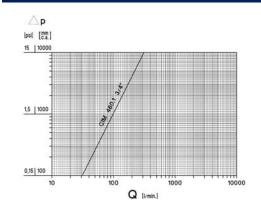
The Cimberio CimKIT[™] is also available in a "No-Lead" model with threaded or sweat connections for compliance with California AB1953 and Vermont S.1952. "No-Lead" models are available with a lead free pressure relief valve.

Size	Connection	Cim No.
3/4"	FIPT	460-06-KIT
3/4"	Sweat	461-06-KIT
3/4"	Press	462-06-KIT
3/4"	Push	467-06-KIT

No-Lead Models						
Size	Connection	Cim No.				
3/4"	FIPT	460NL-06-KIT				
3/4"	Sweat	461NL-06-KIT				

All valve kits include integrated union adapters for direct connection to cold water inlet and hot water outlet of the tankless water heater. Valve kits include integrated full port supply valves and full port system flushing/drain valves with linked cap. *Hot water valve assembly includes outlet access port for included (unless otherwise noted) ASME rated 150 PSI relief valve.

FLOW AND PRESSURE DROP



cim820.1 cimPUSH™ Full Port Ball Valve

Push Connection for Copper, PEX, and CPVC



Size	1/2"	3/4"	1"	
Cim No.	820-04	820-06	820-07	

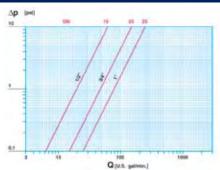
Working Pressure: 200 PSI

Max. Operating Temperature:

Working Limit for Fluids -4° F – 200° F

Test Pressures: According to ISO 5208

FLOW AND PRESSURE DROP



CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI" **Element:** Water - Temperature: 59.9° F

820.1	SIZE	1/2"	3/4"	1"
CV	gal/min	19.7	47.4	78.7

NOTE: CimPUSH valves should not be heated to over 250° F. You should not solder or braze within 12" of a CimPUSH valve. CimPUSH valves should not be installed within 18" of a hot water heater.

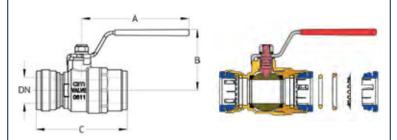
Applications:

The CIM 820.1 CimPUSH™ ball valve is manufactured in accordance with EN ISO 9001 and is designed with a push connection that allows for quick, permanent connections to copper tube, PEX pipe or CPVC pipe in any combination without the need for tools, clamps or solder. Applications include heating, potable water and sanitation systems for residential and commercial plumbing.

Features:

The CIM 820.1 CimPUSH™ ball valve allows for quick and easy connections in both wet and dry conditions, making it ideal for repair jobs. CimPUSH™ ball valves feature a blowout proof stem and include free inserts for connection to PEX pipe.

Size	1/2"	3/4"	1"
Port inch	0.625"	0.875"	1.125"
Port mm	16mm	22mm	28.5mm
А	3-9/16"	3-9/16"	4-5/16"
	90mm	90mm	110mm
В	1-7/8"	2-1/16"	2-1/4"
	47.5mm	52mm	56.5mm
С	2-11/16"	3-1/16"	3-5/8"
	68mm	77mm	92mm
Pounds	0.47	0.72	1.18
Grams	213	326	535
Required Pipe	0.81"	0.91"	1.02"
Insertion Depth	20.5mm	23.1mm	25.9mm



Materials:

- Body: Hot Forged Brass ASTM C37700
- Adaptor: Hot Forged Brass ASTM C37700
- Ball: Brass, Machined to a Micro-Smooth Finish, Chromium Plated
- Stem: 36600 Bar Stock
- Ball Seats: Conical Rings in P.T.F.E.
- Stem Seal: Two O-Rings in NBR
- O-Ring: EPDM 70 Perox
- Washer: Nylon 6
- Grip: AISI 304 Steel
- Ring: Nylon 6
- Nut: Self-Locking Type, Steel ANSI C.1008
- Handle: Zinc Plated Steel with PVC Grip

CimPUSH is approved for use on K, L, and M hard copper tubing, cross-linked polyethylene (PEX) pipe, and chlorinated polyvinyl chloride (CPVC) pipe. CimPUSH is not intended for use on soft copper tubing or polybutylene (PB) pipe.



cim865.1 cimPEX™ Full Port Ball Valve

PEX x PEX



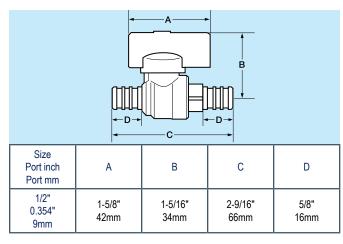
Applications:

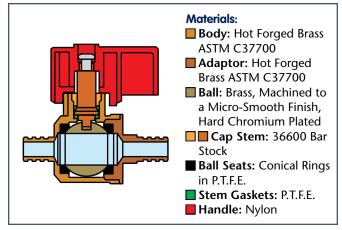
The CIM 865.1 CimPEX™ ball valve is manufactured in accordance with EN ISO 9001 and is designed for use with PEX (cross linked polyethylene) tubing in residential applications including hydronic radiant heating and hot and cold water plumbing systems.

Features:

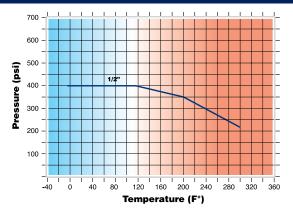
The CIM 865.1 CimPEX™ is a full port ball valve with a blast/ impact proof stem. Its integrated design eliminates the need for PEX to thread adapters. CimPEX ball valves feature stabilizing "feet" on the bottom of the valve body that secure the valve position; preventing strain on the tubing and connections and allowing for a more professional installation.

Size	1/2"	
Cim No.	865-04	





PRESSURE/TEMPERATURE RATINGS

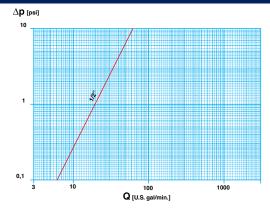


Working Pressure: 400 PSI

Max. Operating Temperature: Working Limit for Fluids -4° F - 302° F

Test Pressures: According to ISO 5208

FLOW AND PRESSURE DROP



CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI"

865.1	SIZE	1/2"
CV	gal/min	19.7



cim220L.1 cimPRESS™ Full Port Ball Valve

CimPRESS x CimPRESS • IAPMO/UPC & NSF-61 Approved



Applications:

CIM 220L.1 CimPRESS™ ball valves are manufactured in accordance with MSS-SP-110, PS117-2004, and EN ISO 9001 standards and are designed for direct connection to hard drawn copper and/or stainless steel tube using standard press tools. CimPRESS™ ball valves are suitable for use with nonaggresive fluid applications including residential, industrial, and agricultural systems. (CimPRESS is not intended for use with soft or rolled copper tubing)

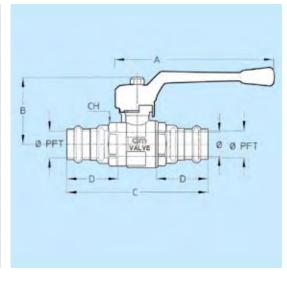
Features:

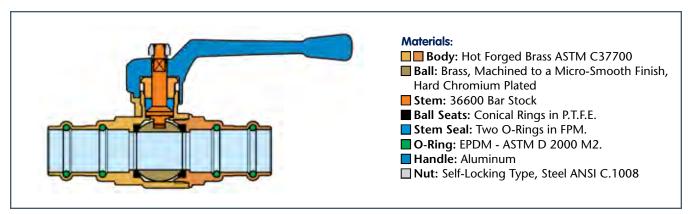
CimPRESS™ ball valves are manufactured from DZR "CR" corrosion-resistant brass and feature double EPDM-ASTM D 2000 M2 O-rings to insure a leak proof cold crimped seal. CimPRESS™ ball valves include a unique blast proof/impact proof stem design that allows handle option flexibility.

All CimPRESS™ valves eliminate the torch and the need to clean, flux and solder in order to create a permanent watertight valve connection; significantly reducing average installation time while avoiding potential fire risks and other problems associated with sweat connections, saving time and money.

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Cim No.	220-04	220-06	220-07	220-08	220-09	220-10

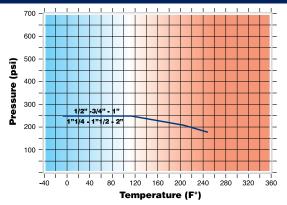
Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Port inch	0.59"	0.79"	0.98"	1.26"	1.57"	1.97"
Port mm	15mm	20mm	25mm	32mm	40mm	50mm
А	3-15/16"	5-1/2"	5-1/2"	6-5/8"	7-7/8"	7-7/8"
	100mm	140mm	140mm	170mm	200mm	200mm
В	2-1/16"	2-3/16"	2-3/8"	2-7/8"	3-1/2"	3-3/4"
	52mm	56mm	60mm	72.5mm	88.5mm	95.5mm
С	4-3/16"	4-3/4"	5"	5-1/4"	6-1/8"	7-1/8"
	106mm	120mm	127.5mm	133mm	155mm	180mm
D	1-9/16"	1-3/4"	1-3/4"	1-11/16"	1-15/16"	2-1/8"
	40mm	44mm	44mm	43mm	48.5mm	54.5mm
СН	15/16"	1-1/4"	1-1/2"	1-7/8"	2-3/16"	2-11/16"
	24mm	32mm	38mm	48mm	55mm	68mm
Pounds	0.57	0.96	1.29	2.01	3.12	4.38
Grams	260	435	585	910	1410	1985
Required Pipe	1.5580"	1.7380"	1.7310"	1.6975"	1.8895"	2.128"
Insertion Depth	39.57mm	44.14mm	43.97mm	43.12mm	47.99mm	54.04mm





cim220L.1 cimPRESS™ Full Port Ball Valve

PRESSURE/TEMPERATURE RATINGS

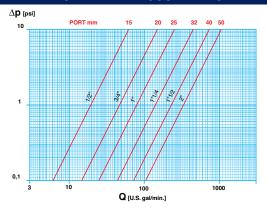


Working Pressure: 1/2" - 2": 250 PSI

Max. Operating Temperature: Working Limit for Fluids -4° F – 248° F

Test Pressures: According to ISO 5208

FLOW AND PRESSURE DROP



CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI"

Element: Water - Temperature: 59.9° F

220.1	SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
CV	gal/min	19.7	47.5	78.7	142.3	229.1	335.4

cim220G.1cimPRESS™ Full Port Ball Valve for Gas Services



Features:

The CimPRESS™ CIM 220G.1 ball valve is similar to the CIM 220L.1 but features double HNBR O-rings for natural gas and propane applications. The O-rings as well as the valve's handle are colored yellow for easy identification. The CIM 220G.1 is CSA approved.

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Cim No.	220G-04	220G-06	220G-07	220G-08	220G-09	220G-10

cim220DK.1 cimPRESS™ Full Port Ball Valve for Petroleum Services



Features:

The CimPRESS™ CIM 220DK.1 ball valve is similar to the CIM 220L.1 but features double HNBR O-rings for petrochemical applications. The O-rings as well as the valve's handle are colored black for easy identification.

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Cim No.	220DK-04	220DK-06	220DK-07	220DK-08	220DK-09	220DK-10



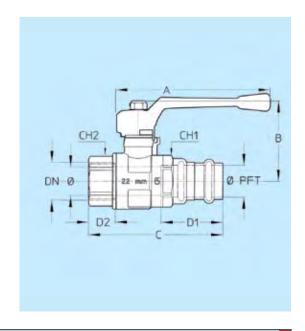
cim221.1 cimPRESS™ Full Port Ball Valve

CimPRESS x FIPT



Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Cim No.	221-04	221-06	221-07	221-08	221-09	221-10

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Port inch	0.59"	0.79"	0.98"	1.26"	1.57"	1.97"
Port mm	15mm	20mm	25mm	32mm	40mm	50mm
А	3-15/16"	5-1/2"	5-1/2"	6-5/8"	7-7/8"	7-7/8"
	100mm	140mm	140mm	170mm	200mm	200mm
В	2-1/16"	2-3/16"	2-3/8"	2-7/8"	3-1/2"	3-3/4"
	52mm	56mm	60mm	72.5mm	88.5mm	95.5mm
С	3-5/16"	3-11/16"	4-1/8"	4-7/16"	5-1/8"	6"
	83.5mm	94mm	105mm	112.5mm	131mm	152.5mm
D1	1-9/16"	1-3/4"	1-3/4"	1-11/16"	1-15/16"	2-1/8"
	40mm	44mm	44mm	43mm	48.5mm	54.5mm
D2	11/16"	3/4"	13/16"	7/8"	15/16"	1-1/16"
	17mm	18.5mm	21mm	22.5mm	23mm	26.5mm
CH1	15/16"	1-1/4"	1-1/2"	1-7/8"	2-3/16"	2-11/16"
	24mm	32mm	38mm	48mm	55mm	68mm
CH2	1"	1-1/4"	1-9/16"	1-15/16"	2-3/16"	2-3/4"
	25mm	31mm	40mm	49mm	55mm	69mm
Pounds	0.53	0.88	1.31	2.06	3.01	4.52
Grams	240	400	595	935	1365	2050



cim222.1 & cim222H.1 cimPRESS™ Full Port Ball Valves

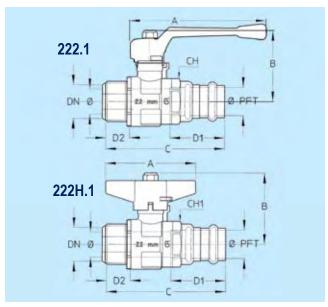
CIM 222.1: CimPRESS x MIPT • CIM 222H.1 CimPRESS x Male Garden Hose Thread





Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Cim No.	222-04	222-06	222-07	222-08	222-09	222-10
Cim No.	222H-04	222H-06	222H-07	N/A	N/A	N/A

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Port inch	0.59"	0.79"	0.98"	1.26"	1.57"	1.97"
Port mm	15mm	20mm	25mm	32mm	40mm	50mm
A	3-15/16"	5-1/2"	5-1/2"	6-5/8"	7-7/8"	7-7/8"
222.1	100mm	140mm	140mm	170mm	200mm	200mm
A 222H.1	2" 50mm	2-3/4" 70mm	2-3/4" 70mm		N/A	
В	2-1/16"	2-3/16"	2-3/8"	2-7/8"	3-1/2"	3-3/4"
	52mm	56mm	60mm	72.5mm	88.5mm	95.5mm
С	3-5/16"	3-11/16"	4-1/8"	4-7/16"	5-1/8"	6"
	83.5mm	94mm	105mm	112.5mm	131mm	152.5mm
D1	1-9/16"	1-3/4"	1-3/4"	1-11/16"	1-15/16"	2-1/8"
	40mm	44mm	44mm	43mm	48.5mm	54.5mm
D2	11/16"	3/4"	13/16"	7/8"	15/16"	1-1/16"
	17mm	18.5mm	21mm	22.5	23mm	26.5mm
СН	15/16"	1-1/4"	1-1/2"	1-7/8"	2-3/16"	2-11/16"
	24mm	32mm	38mm	48mm	55mm	68mm
Pounds	0.53	0.88	1.31	2.06	3.01	4.52
Grams	240	400	595	935	1365	2050





cim215.1 cimPRESS™ 90° Angle Body Full Port Ball Valve

CimPRESS x FIPT

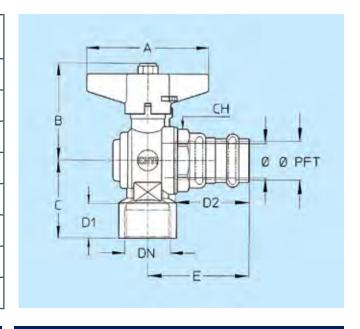


Features:

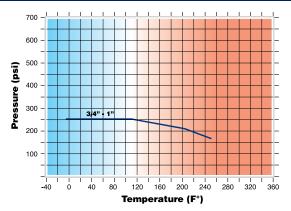
The CimPRESS™ CIM 215.1 ball valve features an integrated design that combines the functions of an elbow, nipple, ball valve, and press-to-thread adaptor in one unit; making it ideal for tight spaces or as an individual shut-off.

Size	3/4"	1"	
Cim No.	215-06	215-07	

Size Port inch Port mm	3/4" 0.79" 20mm	1" 0.98" 25mm
А	2-3/4" 70mm	2-3/4" 70mm
В	2-3/16" 56mm	2-3/8" 60mm
С	1-3/4" 45mm	2" 50.5mm
D1	13/16" 20mm	13/16" 21mm
D2	1-3/4" 44mm	1-3/4" 44mm
Е	2-3/8" 60mm	2-9/16" 65mm
СН	1-1/4" 32mm	1-1/2" 38mm
Pounds Grams	0.94 425	1.16 525



PRESSURE/TEMPERATURE RATINGS

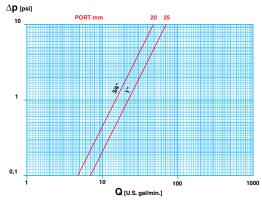


Working Pressure: 250 PSI

Max. Operating Temperature: Working Limit for Fluids -4 $^{\circ}$ F – 248 $^{\circ}$ F

Test Pressures: According to ISO 5208

FLOW AND PRESSURE DROP



CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI"

215.1	SIZE	3/4"	1"
CV	gal/min	15	22



cim218.1 cimPRESS™ Full Port Water Meter Ball Valve

CimPRESS x FIPT Swivel Nut

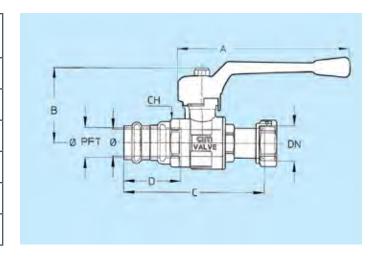


Features:

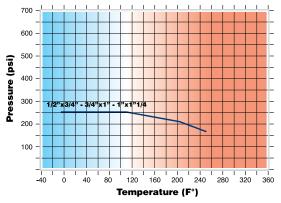
The CimPRESS™ CIM 218.1 ball valve features a lockable swivel nut to allow for easy and quick installation of a water meter or other appliance with minimum difficulty.

Size	1/2" x 3/4"	3/4" x 3/4"	3/4" x 1"	1" x 1"
Cim No.	218-0406	218-0606	218-0607	218-0707

Size	1/2" x 3/4"	3/4" x 3/4"	3/4" x 1"	1" x 1-1/4"
Port inch	0.59"	0.79"	0.79"	0.98"
Port mm	15mm	20mm	20mm	25mm
А	3-5/16"	5-1/2"	5-1/2"	5-1/2"
	100mm	140mm	140mm	140mm
В	2-1/16"	2-1/16"	2-3/16"	2-3/8"
	52mm	52mm	56mm	60mm
С	3-7/8"	4"	4-3/16"	4-7/16"
	97.5mm	101mm	107mm	112.5mm
D	1-9/16"	1-3/4"	1-3/4"	1-3/4"
	40mm	44mm	44mm	44mm
СН	15/16"	1-1/4"	1-1/4"	1-1/2"
	24mm	32mm	32mm	38mm
Pounds	0.72	1.09	1.09	1.47
Grams	325	495	495	670



PRESSURE/TEMPERATURE RATINGS

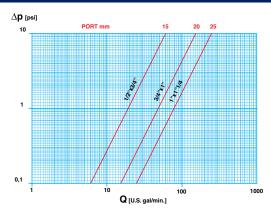


Working Pressure: 250 PSI

Max. Operating Temperature: Working Limit for Fluids -4° F - 248° F

Test Pressures: According to ISO 5208

FLOW AND PRESSURE DROP



CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI"

218.1	SIZE	1/2" x 3/4"	3/4" x 3/4"	3/4" x 1"	1" x 1-1/4"
CV	gal/min	19.7	47.4	47.4	78.6



cim226.1 cimPRESS™ Full Port Ball Valve with Integral Strainer

CimPRESS x FIPT

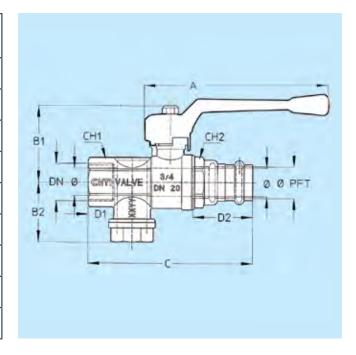


Features:

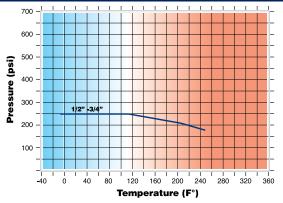
The CimPRESS™ CIM 226.1 ball valve features an integral strainer designed to collect impurities such as sand, rust, and metal shavings to safeguard pipes and valves from mechanical damage and deposits. The CIM 226.1's compact design incorporates two distinct functions in one unit; saving space, time and money and making this valve particularly well suited for OEM applications.

Size	1/2"	3/4"	
Cim No.	226-04	226-06	

Size Port inch Port mm	1/2" 0.59" 15mm	3/4" 0.79" 20mm
А	3-15/16" 100mm	5-1/2" 140mm
B1	2-1/16" 52mm	2-3/16" 56mm
B2	1-1/2" 52mm	1-11/16 42.5mm
С	4-1/8" 104mm	4-11/16" 118mm
D1	11/16" 15.5mm	3/4" 18.5mm
D2	1-9/16" 40mm	1-3/4" 44mm
CH1	1" 25mm	1-1/4" 31mm
CH2	15/16" 24mm	1-1/4" 32mm
Pounds Grams	0.77 350	1.22 555



PRESSURE/TEMPERATURE RATINGS

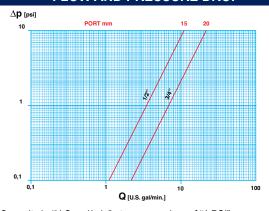


Working Pressure: 250 PSI

Max. Operating Temperature: Working Limit for Fluids -4° F - 248° F

Test Pressures: According to ISO 5208

FLOW AND PRESSURE DROP



CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI"

ĺ	226.1	SIZE	1/2"	3/4"
ĺ	CV	gal/min	3.5	6.9



cim225.1 cimPRESS™ Full Port Ball Valve w/Integral Stem Extension

CimPRESS x CimPRESS

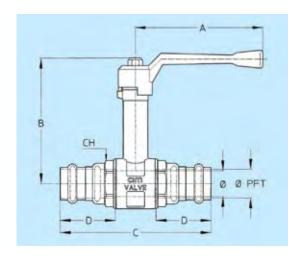


Features:

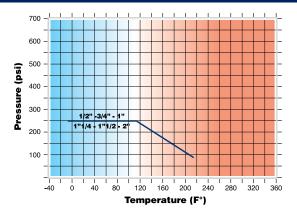
The CimPRESS™ CIM 225.1 ball valve features an integral stem extension that is part of the body forging. This superior design locates the stem seal, cap stem, and stem nut at the end of the stem extension to accommodate pipe insulation and eliminates potential leak points typically found with standard stem extension kits.

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Cim No.	225-04	225-06	225-07	225-08	225-09	225-10

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Port inch	0.59"	0.79"	0.98"	1.26"	1.57"	1.97"
Port mm	15mm	20mm	25mm	32mm	40mm	50mm
А	3-15/16"	5-1/2"	5-1/2"	6-5/8"	7-7/8"	7-7/8"
	100mm	140mm	140mm	170mm	200mm	200mm
В	3-11/16"	3-7/8"	4-5/16"	4-7/8"	5-13/16"	6-1/8"
	94mm	97.5mm	112.5mm	124mm	148mm	155mm
С	4-3/16"	4-3/4"	5"	5-1/4"	6-1/8"	7-1/8"
	106.5mm	120mm	127.5mm	133.5mm	155.5mm	180.5mm
D	1-9/16"	1-3/4"	1-3/4"	1-11/16"	1-15/16"	2-1/8"
	40mm	44mm	44mm	43mm	48.5mm	54.5mm
CH	15/16"	1-1/4"	1-1/2"	1-7/8"	2-3/16"	2-11/16"
	24mm	32mm	38mm	48mm	55mm	68mm
Pounds	0.85	1.2	1.74	2.45	3.88	5.58
Grams	385	545	790	1110	1760	2530



PRESSURE/TEMPERATURE RATINGS

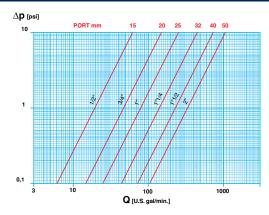


Working Pressure: 250 PSI

Max. Operating Temperature: Working Limit for Fluids -4° F -212° F

Test Pressures: According to ISO 5208

FLOW AND PRESSURE DROP



CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI"

225.1	SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
CV	gal/min	19.7	47.5	78.7	142.3	229.1	335.4



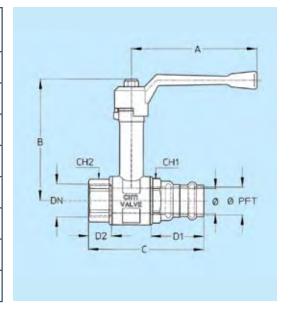
cim241.1 cimPRESS™ Full Port Ball Valve w/Integral Stem Extension

CimPRESS x FIPT



Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Cim No.	241-04	241-06	241-07	241-08	241-09	241-10

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Port inch	0.59"	0.79"	0.98"	1.26"	1.57"	1.97"
Port mm	15mm	20mm	25mm	32mm	40mm	50mm
А	3-15/16"	5-1/2"	5-1/2"	6-5/8"	7-7/8"	7-7/8"
	100mm	140mm	140mm	170mm	200mm	200mm
В	3-11/16"	3-7/8"	4-5/16"	4-7/8"	5-13/16"	6-1/8"
	94mm	97.5mm	112.5mm	124mm	148mm	155mm
С	3-5/16"	3-3/4"	4-1/8"	4-7/16"	5-3/16"	6"
	83.5mm	94.5mm	104.5mm	112.5mm	131mm	54.5mm
D1	1-9/16"	1-3/4"	1-3/4"	1-11/16"	1-15/16"	2-1/8"
	40mm	44mm	44mm	43mm	48.5mm	54.5mm
D2	11/16"	3/4"	15/16"	7/8"	15/16"	1-1/16"
	17mm	18.5mm	21mm	22.5mm	23mm	26.5mm
CH1	15/16"	1-1/4"	1-1/2"	1-7/8"	2-3/16"	2-11/16"
	24mm	32mm	38mm	48mm	55mm	68mm
CH2	1"	1-1/4"	1-9/16"	1-7/8"	2-3/4"	2-3/4"
	25mm	31mm	40mm	47mm	55mm	69mm
Pounds	0.8	1.12	1.76	2.43	3.78	5.52
Grams	365	510	800	1100	1715	2505



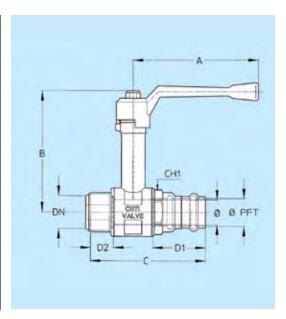
cim242.1 cimPRESS™ Full Port Ball Valve w/Integral Stem Extension

CimPRESS x MIPT



Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Cim No.	242-04	242-06	242-07	242-08	242-09	242-10

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Port inch	0.59"	0.79"	0.98"	1.26"	1.57"	1.97"
Port mm	15mm	20mm	25mm	32mm	40mm	50mm
А	3-15/16"	5-1/2"	5-1/2"	6-5/8"	7-7/8"	7-7/8"
	100mm	140mm	140mm	170mm	200mm	200mm
В	3-11/16"	3-7/8"	4-5/16"	4-7/8"	5-13/16"	6-1/8"
	94mm	97.5mm	112.5mm	124mm	148mm	155mm
С	3-5/16"	3-3/4"	4-1/8"	4-7/16"	5-3/16"	6"
	83.5mm	94.5mm	104.5mm	112.5mm	131mm	54.5mm
D1	1-9/16"	1-3/4"	1-3/4"	1-11/16"	1-15/16"	2-1/8"
	40mm	44mm	44mm	43mm	48.5mm	54.5mm
D2	11/16"	3/4"	15/16"	7/8"	15/16"	1-1/16"
	17mm	18.5mm	21mm	22.5mm	23mm	26.5mm
CH1	15/16"	1-1/4"	1-1/2"	1-7/8"	2-3/16"	2-11/16"
	24mm	32mm	38mm	48mm	55mm	68mm
CH2	1"	1-1/4"	1-9/16"	1-7/8"	2-3/4"	2-3/4"
	25mm	31mm	40mm	47mm	55mm	69mm
Pounds	0.8	1.12	1.76	2.43	3.78	5.52
Grams	365	510	800	1100	1715	2505





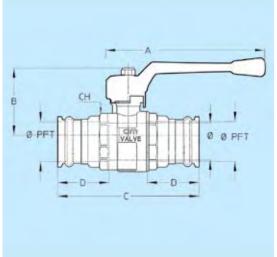
cim220XLB.1 cimPRESS™ XLB Full Port Ball Valve

CimPRESS x CimPRESS • For Use with XL Press Jaws and Rings Only

Size	2-1/2"	3"	4"
Cim No.	220XLB-11	220XLB-12	220XLB-14

Size	2-1/2"	3"	4"
Port inch	2.36"	2.83"	3.7"
Port mm	60mm	72mm	94mm
А	9-7/16"	9-7/16"	9-7/16"
	240mm	240mm	240mm
В	5-7/16"	5-3/4"	6-3/8"
	137.5mm	146.5mm	161.5mm
С	10-1/4"	10-7/8"	12-3/16"
	259mm	276mm	309mm
D	2-3/16"	2-3/16"	2-3/8"
	55mm	55mm	60mm
СН	3-1/4"	3-3/4"	4-7/8"
	82mm	96mm	123mm
Pounds	9.83	12.95	21.37
Grams	4465	5880	9700
Required Pipe	2.1720"	2.1675"	2.3670"
Insertion Depth	55.16mm	55.06mm	60.12mm



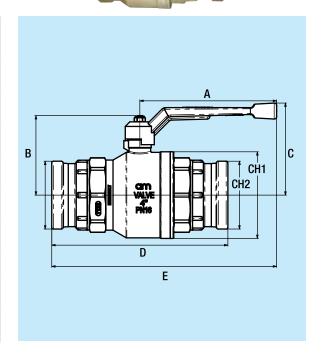


cim220XLC.1 cimPRESS™ XLC Full Port Ball Valve

CimPRESS x CimPRESS • For Use with XL-C Press Jaws and Rings Only

Size	2-1/2"	3"	4"
Cim No.	220XLC-11	220XLC-12	220XLC-14

Size	2-1/2"	3"	4"
Port inch	2.52"	2.99"	3.94"
Port mm	64mm	76mm	100mm
А	9-7/16"	9-7/16"	9-7/16"
	240mm	240mm	240mm
В	4-9/16"	4-7/8"	5-1/2"
	115.5mm	124.5mm	139.5mm
С	5-7/16"	5-3/4"	6-3/8"
	137.5mm	146.5mm	161.5mm
D	10-3/16"	10-7/8"	12-3/16"
	259mm	276mm	309mm
E	14-9/16"	14-7/8"	15-1/2"
	369.5mm	378mm	394.5mm
CH1	4-1/16"	4-3/4"	6"
	103mm	121mm	152mm
CH2	3-3/16"	3-11/16"	4-11/16"
	80.5mm	93.5mm	119mm
Pounds	10.12	13.36	21.86
Grams	4590	6058	9914
Required Pipe	2.1685"	2.1525	2.3565"
Insertion Depth	55.08mm	54.67mm	59.85mm





cim220XLB.1 & 220XLC.1 cimPRESS™ Full Port Ball Valves



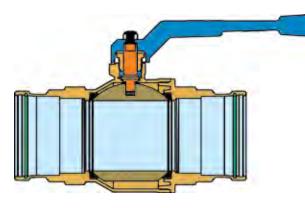
■ Ball Seats: Conical Rings in P.T.F.E.
■ Stem Seal: Rings in P.T.F.E.

O-Ring: EPDM - ASTM D 2000 M2

Handle: Aluminum

■ Nut: Self-Locking Type, Steel ANSI C.1008.

220XLC.1



Materials:

■ Body: Hot Forged Brass ASTM C37700

■ Ball: Brass, Machined to a Micro-Smooth Finish, Hard Chromium Plated

■ Ball Seats: Conical Rings in P.T.F.E.

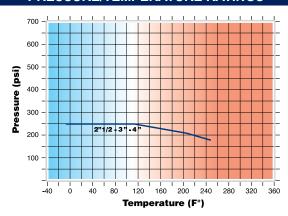
■ Stem Seal: Rings in P.T.F.E.

O-Ring: EPDM - ASTM D 2000 M2

■ Handle: Aluminum

■ Nut: Self-Locking Type, Steel ANSI C.1008.

PRESSURE/TEMPERATURE RATINGS

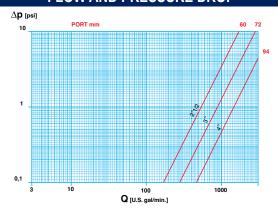


Working Pressure: 250 PSI

Max. Operating Temperature: Working Limit for Fluids -4° F - 248° F

Test Pressures: According to ISO 5208

FLOW AND PRESSURE DROP



CV CM CS MT

CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI"

CM: Working Torque in "lb x in" **CS:** Starting Torque in "lb x in"

MT: Torque Breaking Point on the Stem in "lb x in"

	i romporatari	3. 00.0 1		
220XLB.1 220XLC.1	SIZE Ø mm Ø inch	2-1/2" 60 2.36	3" 72 2.83	4" 94 3.7
CV	gal/min	532.4	865.4	1417.1
CM	N x m	15	19	29
	lb x in	133	168	257
CS	N x m	30	38	58
	lb x in	266	337	514
MT	N x m	280	280	550
	lb x in	2480	2480	4872



cimJOINT Ball Valves with Telescopic Expansion Unions



Applications:

The CimJOINT™ ball valves with telescopic expansion unions are manufactured in accordance with EN ISO 9001 and are designed to solve expansion and contraction problems normally found in hydraulic, heating, sanitary, pneumatic and similar pipe systems. Additional applications include watermeter or pump installations where the extension capabilities of the union incorporated into the valve eliminate the need for extra fittings or nipples to make connections. CimJOINT™ ball valves can also be used for the easy replacement or addition of a valve into an existing pipe system.



1. Cut Out the Old Valve



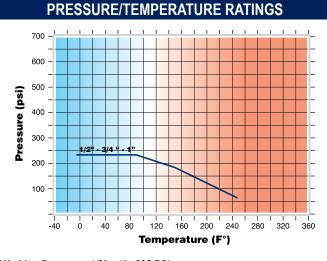
2. Insert CimJOINT™





4. Pull Telescopic Union & Tighten



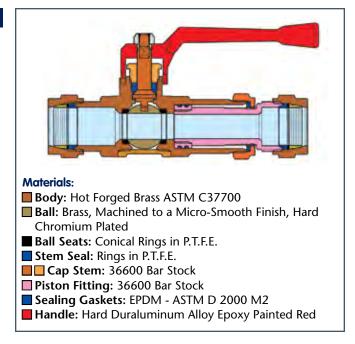


Working Pressure: 1/2" - 1": 232 PSI

Max. Operating Temperature: Working Limit for Fluids -4° F – 248° F

Test Pressures: According to ISO 5208

Vacuum: the CIM 63.1 Ball Valves can be used for Vacuum: 2x10⁻⁵ PSI





cim463.1 cimJOINT Ball Valve with Telescopic Expansion Union

Iron Compression x Iron Compression



Size	1/2"	3/4"	1"
Cim No.	463-04	463-06	463-07

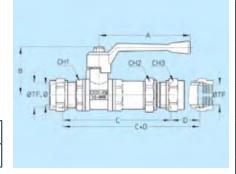
CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI"

CM: Working Torque in "lb x in"

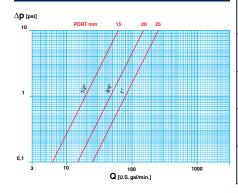
CS: Starting Torque in "lb x in"

MT: Torque Breaking Point on the Stem in "Ib x in" **Element:** Water - Temperature: 59.9° F

463.1	SIZE	1/2"	3/4"	1"
CV	gal/min	19.7	47.4	47.4
СМ	N x m	3	5	6
	lb x in	27	44	53
CS	N x m	6	10	12
	lb x in	53	89	106
MT	N x m	10	24	24
	lb x in	89	213	213



FLOW AND PRESSURE DROP



Port inch	0.59"	079"	0.98"
Port mm	15mm	20mm	25mm
А	3-15/16"	4-3/4"	4-3/4"
	100mm	120mm	120mm
В	2-1/16"	2-9/16"	2-3/4"
	53mm	65mm	69mm
С	4-11/16"	5-1/16"	5-7/16"
	119mm	129mm	138mm
D	1-1/4"	1-3/4"	1-3/8"
	32mm	44.5mm	35mm
C + D	5-15/16"	6-13/16"	6-13/16"
	151mm	173.5mm	173mm
CH1	1-1/4"	1-7/16"	1-3/4"
	31mm	36mm	44mm
CH2	1-3/8"	1-9/16"	1-7/8"
	34mm	39mm	47mm
СН3	1-1/4"	1-9/16"	1-7/8"
	32mm	39mm	47mm
Pounds	1.48	2.09	3.02
Grams	670	950	1370

Size

cim563.1 cimJOINT™ Ball Valve with Telescopic Expansion Union

Copper Compression x Copper Compression



Size	1/2"	3/4"	1"
Cim No.	563-04	563-06	563-07

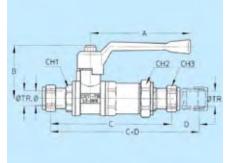
CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI"

CM: Working Torque in "lb x in"

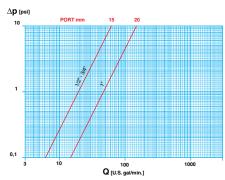
CS: Starting Torque in "lb x in"

MT: Torque Breaking Point on the Stem in "lb x in" Element: Water - Temperature: 59.9° F

Liement: Water Temperature: 00:0 1				
563.1	SIZE	1/2"	3/4"	1"
CV	gal/min	19.7	47.4	47.4
CM	N x m	3	3	5
	lb x in	27	27	44
CS	N x m	6	6	10
	lb x in	53	53	89
MT	N x m	10	10	24
	lb x in	89	89	213



FLOW AND PRESSURE DROP



Size	1/2"	3/4"	1"
Port inch	0.59"	0.59"	079"
Port mm	15mm	15mm	20mm
А	3-15/16"	3-15/16"	4-3/4"
	100mm	100mm	120mm
В	2-1/16"	2-1/16"	2-9/16"
	53mm	53mm	65mm
С	4-3/4"	4-11/16"	5-1/8"
	121mm	119mm	130mm
D	1-1/4"	1-9/16"	1-5/16"
	32mm	40mm	33mm
C + D	6"	6-1/4"	6-7/16"
	153mm	159mm	163mm
CH1	1-1/16"	1-1/4"	1-7/16"
	27mm	31mm	36mm
CH2	1-3/8"	1-3/8"	1-9/16"
	34mm	34mm	39mm
CH3	15/16"	1-1/4"	1-9/16"
	24mm	32mm	39mm
Pounds	1.27	1.42	2.14
Grams	575	645	970



cim63.1 cimJOINT Ball Valve with Telescopic Expansion Union

FIPT x Iron Compression



Size	1/2"	3/4"	1"
Cim No.	63-04	63-06	63-07

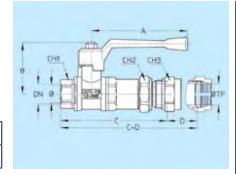
CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI"

CM: Working Torque in "lb x in"

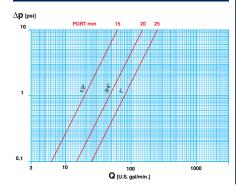
CS: Starting Torque in "lb x in"

MT: Torque Breaking Point on the Stem in "Ib x in" **Element:** Water - Temperature: 59.9° F

63.1	SIZE	1/2"	3/4"	1"
CV	gal/min	19.7	47.4	78.7
СМ	N x m	3	5	6
	lb x in	27	44	53
CS	N x m	6	10	12
	lb x in	53	89	106
MT	N x m	10	24	24
	lb x in	89	213	213



FLOW AND PRESSURE DROP



Port inch	0.59"	0.79"	0.98"
Port mm	15mm	20mm	25mm
А	3-15/16"	4-3/4"	4-3/4"
	100mm	120mm	120mm
В	2-1/16"	2-9/16"	2-3/4"
	53mm	65mm	69mm
С	4-3/8"	4-3/4"	5-5/16"
	111mm	121mm	135mm
D	1-1/4"	1-3/4"	1-3/8"
	32mm	44.5mm	35mm
C + D	5-5/8"	6-1/2"	6-11/16"
	143mm	165.5mm	170mm
CH1	1-1/16"	1-1/4"	1-5/8"
	27mm	32mm	41mm
CH2	1-3/8"	1-9/16"	1-7/8"
	34mm	39mm	47mm
CH3	1-1/4"	1-9/16"	1-7/8"
	32mm	39mm	47mm
Pounds	1.31	2.01	2.72
Grams	595	910	1235

Size

cim66.1 cimJOINT Ball Valve with Telescopic Expansion Union

FIPT x Copper Compression



Size	1/2"	3/4"	1"
Cim No.	66-04	66-06	66-07

CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI"

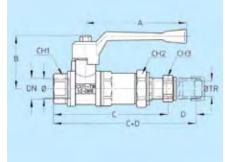
CM: Working Torque in "lb x in"

CS: Starting Torque in "lb x in"

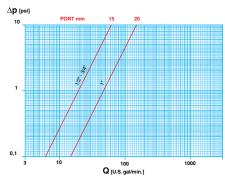
MT: Torque Breaking Point on the Stem in "lb x in"

Flement: Water - Temperature: 59.9° F

Element: Water - Temperature. 59.9 F				
66.1	SIZE	1/2"	3/4"	1"
CV	gal/min	19.7	19.7	47.4
СМ	N x m	3	3	5
	lb x in	27	27	44
CS	N x m	6	6	10
	lb x in	53	53	89
MT	N x m	10	10	24
	lb x in	89	89	213



FLOW AND PRESSURE DROP



Port inch Port mm	1/2" 0.59" 15mm	3/4" 0.59" 15mm	1" 0.79" 20mm
А	3-15/16"	3-15/16"	4-3/4"
	100mm	100mm	120mm
В	2-1/16"	2-1/16"	2-9/16"
	53mm	53mm	65mm
С	4-7/16"	4-7/16"	4-7/8"
	113mm	113mm	124mm
D	1-1/4"	1-1/2"	1-5/16"
	32mm	40mm	33mm
C + D	5-11/16"	6"	6-3/16"
	145mm	153mm	157mm
CH1	1-1/16"	1-1/4"	1-1/2"
	27mm	31mm	38mm
CH2	1-3/8"	1-3/8"	1-9/16"
	34mm	34mm	39mm
CH3	15/16"	1-1/4"	1-9/16"
	24mm	32mm	39mm
Pounds	1.16	1.25	2.05
Grams	525	565	930



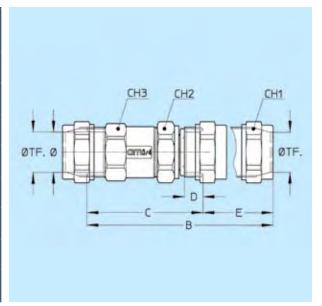
cim240.1 cimJOINT™ Telescopic Expansion Union

Iron Compression x Iron Compression

Size	1/2"	3/4"	1"
Cim No.	240-04	240-06	240-07

Size	1/2"	3/4"	1"
Port inch	0.55"	0.75"	0.98"
Port mm	14mm	19mm	25mm
В	4-5-16"	4-1/2"	4-15/16"
	109.5mm	114.5mm	125.5mm
С	3-1/16"	3-1/4"	3-3/8"
	78mm	82mm	86mm
E	1-1/4"	1-1/4"	1-3/8"
	31.5mm	32.5mm	34.5mm
D	1/2"	1/2"	9/16"
	13mm	13mm	14mm
CH1	1-1/4"	1-9/16"	1-7/8"
	32mm	39mm	47mm
CH2	1-1/4"	1-7/16"	1-11/16"
	31mm	36mm	43mm
CH3	1-3/8"	1-9/16"	1-7/8"
	34mm	39mm	47mm
Pounds	0.87	1.15	1.58
Grams	395	520	715





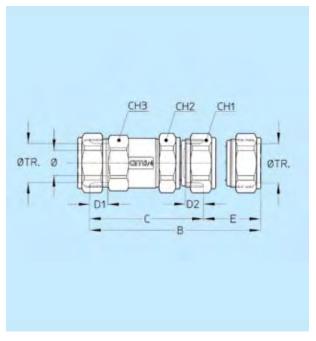
cim440.1 cimJOINT™ Telescopic Expansion Union

Copper Compression x Copper Compression

Size	1/2"	3/4"	1"	1-1/4"
Cim No.	440-04	440-06	440-07	440-08

Size	1/2"	3/4"	1"	1-1/4"
Port inch	0.55"	0.55"	0.75"	1"
Port mm	14mm	14mm	19mm	25mm
В	4-5-16"	4-7/16"	4-1/2"	4-3/4"
	110mm	112mm	114.5mm	120.5mm
С	3-1/16"	3-1/8"	3-1/4"	3-3/8"
	78mm	80mm	82mm	86mm
E	1-1/4"	1-1/4"	1-1/4"	1-3/8"
	32mm	32mm	32.5mm	34.5mm
D1	1/2"	1/2"	1/2"	9/16"
	12mm	13mm	13mm	14mm
D2	1/2"	9/16"	1/2"	9/16"
	12mm	15mm	13mm	14 mm
CH1	15/16"	1-1/4"	1-9/16"	1-7/8"
	24mm	32mm	39mm	47mm
CH2	1-3/8"	1-3/8"	1-9/16"	1-7/8"
	34mm	34mm	39mm	47mm
CH3	1-1/4"	1-1/4"	1-7/16"	1-11/16"
	31mm	31mm	36mm	43mm
Pounds	0.64	0.82	1.04	1.5
Grams	290	370	485	665







cim102.1 Ball Valve for Gas Service

FIPT x FIPT • UL/CSA/AGA Listed







Size	3/8"	1/2"	3/4"
Cim No.	102-03	102-04	102-06

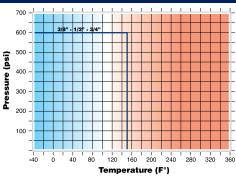
Applications:

The CIM 102.1 ball valve is manufactured in accordance with EN ISO 9001 and is designed for use with gases. Applications include residential and commercial use for the distribution of natural gas and propane.

Features:

The CIM 102.1 gas valve features a two piece design and includes a unique blast proof/impact proof 3 part stem design that allows handle option flexibility.

PRESSURE/TEMPERATURE RATINGS

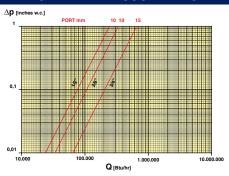


Working Pressure: 600 PSI

Max. Operating Temperature: Working Limit for Fluids -40° F - 302° F

Test Pressures: According to ISO 5208

FLOW AND PRESSURE DROP



FC CM CS MT

FC: Capacity is determined by the quantity in BTU/h of a gas of 0.64 SG which can be passed with a pressure drop equal to 0.3" water column

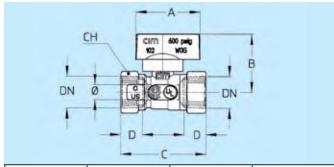
CM: Working Torque in "lb x in"

CS: Starting Torque in "lb x in"

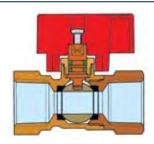
MT: Torque Breaking Point on the Stem in "lb x in"

Element: Gas - Specific Gravity: 0.64

102.1	SIZE	3/8"	1/2"	3/4"
FC	BTU/h	188,600	139,000	352,000
СМ	N x m	0.3	0.3	0.4
	lb x in	3	3	4
CS	N x m	1	1	1
	lb x in	9	9	9
MT	N x m	6	6	6
	lb x in	53	53	53



Size	3/8"	1/2"	3/4"
Port inch	0.39"	0.39"	0.59"
Port mm	10mm	10mm	15mm
А	1-11/16"	1-11/16"	1-11/16"
	43mm	43mm	43mm
В	1-9/16"	1-9/16"	1-5/8"
	39mm	39mm	41.5mm
С	1-7/8"	2-1/4"	2-1/2"
	47mm	57mm	63mm
D	1/2"	5/8"	5/8"
	12.5mm	15.5mm	16mm
CH	13/16"	1"	1-1/4"
	20mm	25mm	31.5mm
Pounds	0.28	0.35	0.54
Grams	125	160	245



Materials:

■ Body: Hot Forged Brass ASTM C37700

■ Adaptor: Hot Forged Brass ASTM C37700

■ Ball: Brass, Machined to a Micro-Smooth Finish, Hard

Chromium Plated

□ □ Cap Stem: 36600 Bar Stock

■ Ball Seat: Conical Rings in NBR

Stem Seal: Two O-Rings in NBR

■ Handle: Hard Duraluminum Alloy Painted Red RAL 3000



cim107.1 Ball Valve for Gas Service with Side Tap

FIPT x FIPT • UL/CSA/AGA Listed







Size	1/2"	3/4"
Cim No.	107-04	107-06

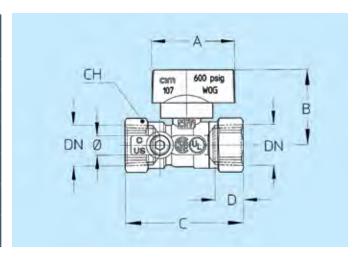
Size Port inch Port mm	1/2" 0.39" 10mm	3/4" 0.59" 15mm
А	1-11/16" 43mm	1-11/16" 43mm
В	1-9/16" 39mm	1-5/8" 41.5mm
С	2-7/16" 61mm	2-5/8" 66mm
D	5/8" 15.5mm	5/8" 16mm
CH	1" 25mm	1-1/4" 31.5mm
Pounds Grams	0.4 180	0.58 265

Applications:

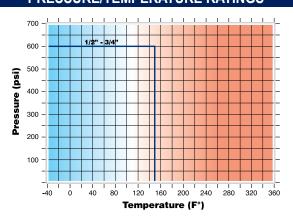
The CIM 107.1 ball valve is manufactured in accordance with EN ISO 9001 and is designed for use with gases. Applications include residential and commercial use for the distribution of natural gas and propane.

Features:

The CIM 107.1 gas valve features a two piece design and includes a unique blast proof/impact proof 3 part stem design that allows handle option flexibility.



PRESSURE/TEMPERATURE RATINGS

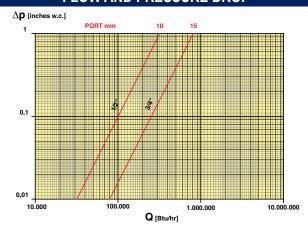


Working Pressure: 600 PSI

Max. Operating Temperature: Working Limit for Fluids -40° F - 150° F

Test Pressures: According to ISO 5208

FLOW AND PRESSURE DROP



FC: Capacity is determined by the quantity in BTU/h of a gas of 0.64 SG which can be passed with a pressure drop equal to 0.3" water column

107.1	SIZE	1/2"	3/4"
FC	BTU/h	176,000	429,600



cim109.1 Ball Valve for Gas Service

Flare x Flare • UL/CSA/AGA Listed







Size	3/8"	1/2"	5/8"
Cim No.	109-03	109-04	109-05

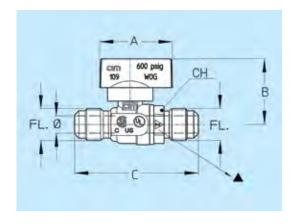
Applications:

The CIM 109.1 ball valve is manufactured in accordance with EN ISO 9001 and is designed for use with gases. Applications include residential and commercial use for the distribution of natural gas and propane.

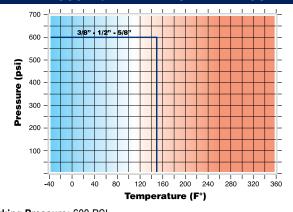
Features:

The CIM 109.1 gas valve features a two piece design and includes a unique blast proof/impact proof 3 part stem design that allows handle option flexibility.

Size	3/8"	1/2"	5/8"
Port inch	0.39"	0.39"	0.59"
Port mm	10mm	10mm	15mm
А	1-11/16"	1-11/16"	1-11/16"
	43mm	43mm	43mm
В	1-9/16"	1-9/16"	1-5/8"
	39mm	39mm	41.5mm
С	2-9/16"	2-7/8"	3-5/16"
	65mm	73mm	84mm
CH	11/16"	13/16"	1"
	18mm	20mm	25mm
Pounds	0.3	0.36	0.52
Grams	135	165	235



PRESSURE/TEMPERATURE RATINGS

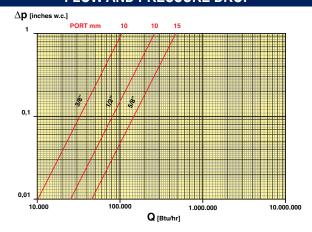


Working Pressure: 600 PSI

Max. Operating Temperature: Working Limit for Fluids -40° F -150° F

Test Pressures: According to ISO 5208

FLOW AND PRESSURE DROP



FC CM CS MT

109.1	SIZE	3/8"	1/2"	5/8"
	Ø mm	10	10	15
	Ø inch	0.39	0.39	0.59
FC	BTU/h	56,000	142,000	237,000
CM	N x m	0.3	0.3	0.4
	lb x in	3	3	4
CS	N x m	1	1	1
	lb x in	9	9	9
MT	N x m	6	6	6
	lb x in	53	53	53

FC: Capacity is determined by the quantity in BTU/h of a gas of 0.64 SG which can be passed with a pressure drop equal to 0.3" water column

CM: Working Torque in "lb x in"

CS: Starting Torque in "lb x in"

MT: Torque Breaking Point on the Stem in "lb x in"



cim 108.1 Ball Valve for Gas Service with Side Tap

Flare x Flare • UL/CSA/AGA Listed



Size	3/8"	1/2"
Cim No.	108-03	108-04

L) us	N. St.	
ED		

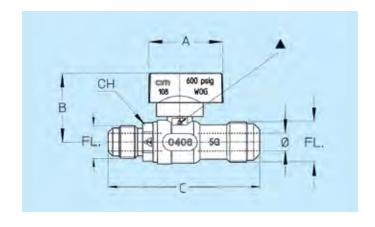
Applications:

The CIM 108.1 ball valve is manufactured in accordance with EN ISO 9001 and is designed for use with gases. Applications include residential and commercial use for the distribution of natural gas and propane.

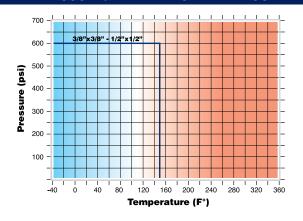
Features:

The CIM 108.1 gas valve features a two piece design and includes a unique blast proof/impact proof 3 part stem design that allows handle option flexibility.

Size Port inch Port mm	3/8" 0.39" 10mm	1/2" 0.39" 10mm
A	1-11/16" 43mm	1-11/16" 43mm
В	1-9/16" 39mm	1-9/16" 39mm
С	2-13/16" 72mm	3-3/16" 81mm
CH	11/16" 18mm	13/16" 20mm
Pounds Grams	0.35 160	0.42 190



PRESSURE/TEMPERATURE RATINGS

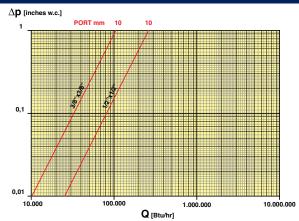


Working Pressure: 600 PSI

Max. Operating Temperature: Working Limit for Fluids -40° F -150° F

Test Pressures: According to ISO 5208

FLOW AND PRESSURE DROP



FC: Capacity is determined by the quantity in BTU/h of a gas of 0.64 SG which can be passed with a pressure drop equal to 0.3" water column

108.1	SIZE	3/8"	1/2"
FC	BTU/h	56,000	142,000



cim103.1 Ball Valve for Gas Service

FIPT x Flare • UL/CSA/AGA Listed







Size	1/2" x 1/2"	1/2" x 5/8"
Cim No.	103-0404	103-0405

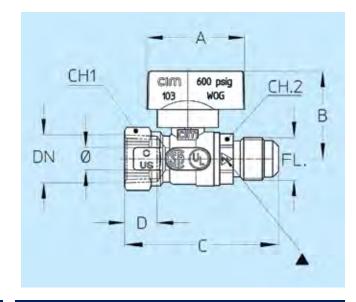
Appli	cations:
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The CIM 103.1 ball valve is manufactured in accordance with EN ISO 9001 and is designed for use with gases. Applications include residential and commercial use for the distribution of natural gas and propane.

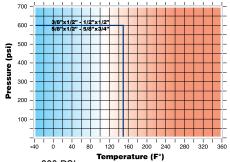
Features:

The CIM 103.1 gas valve features a two piece design and includes a unique blast proof/impact proof 3 part stem design that allows handle option flexibility.

		,
Size FL Port inch Port mm	1/2" 5/8" 0.39" 10mm	1/2" 1/2" 0.39" 10mm
A	1-11/16" 43mm	1-11/16" 43mm
В	1-9/16" 39mm	1-9/16" 39mm
С	2-3/4" 69.5mm	2-11/16" 68mm
D	5/8" 15.5mm	5/8" 15.5mm
CH1	1" 25mm	1" 25mm
CH2	1" 25mm	13/16" 20mm
Pounds Grams	0.45 205	0.37 170



PRESSURE/TEMPERATURE RATINGS

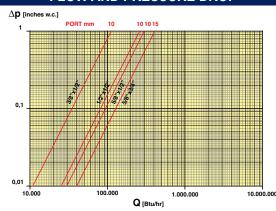


Working Pressure: 600 PSI

Max. Operating Temperature: Working Limit for Fluids -40° F - 302° F

Test Pressures: According to ISO 5208

FLOW AND PRESSURE DROP



FC CM CS MT

103.1	FL x SIZE	5/8" x 1/2"	1/2" x 1/2"
FC	BTU/h	60,000	140,000
СМ	N x m	0.3	0.3
	lb x in	3	3
CS	N x m	1	1
	lb x in	9	9
MT	N x m	6	6
	lb x in	53	53

FC: Capacity is determined by the quantity in BTU/h of a gas of 0.64 SG which can be passed with a pressure drop equal to 0.3" water column

CM: Working Torque in "lb x in"

CS: Starting Torque in "lb x in"

MT: Torque Breaking Point on the Stem in "lb x in"



cim106.1 Ball Valve for Gas Service with Side Tap

FIPT x Flare • UL/CSA/AGA Listed





Size	1/2" x 1/2"	1/2" x 5/8"
Cim No.	106-0404	106-0405

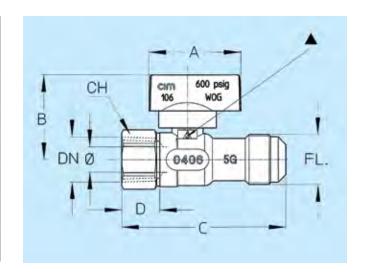
Applicat	ions
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The CIM 106.1 ball valve is manufactured in accordance with EN ISO 9001 and is designed for use with gases. Applications include residential and commercial use for the distribution of natural gas and propane.

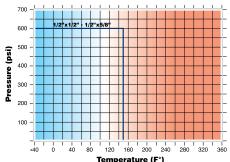
Features:

The CIM 106.1 gas valve features a two piece design and includes a unique blast proof/impact proof 3 part stem design that allows handle option flexibility.

Size FL Port inch Port mm	1/2" 5/8" 0.47" 12mm	1/2" 1/2" 0.39" 10mm
А	1-11/16" 43mm	1-11/16" 43mm
В	1-9/16" 40mm	1-9/16" 39mm
С	3" 76mm	2-3/4" 70mm
D	11/16" 18mm	5/8" 15.5mm
CH1	1" 25mm	1" 25mm
Pounds Grams	0.49 220	0.4 180



PRESSURE/TEMPERATURE RATINGS

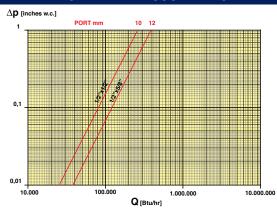


Working Pressure: 600 PSI

Max. Operating Temperature: Working Limit for Fluids -40° F - 150° F

Test Pressures: According to ISO 5208

FLOW AND PRESSURE DROP



FC CM CS MT

106.1	FL x SIZE	5/8" x 1/2"	1/2" x 1/2"
FC	BTU/h	210,000	142,000
СМ	N x m	1	0.3
	lb x in	9	3
CS	N x m	2	1
	lb x in	18	9
MT	N x m	6	6
	lb x in	53	53

FC: Capacity is determined by the quantity in BTU/h of a gas of 0.64 SG which can be passed with a pressure drop equal to 0.3" water column

CM: Working Torque in "lb x in"

CS: Starting Torque in "lb x in"

MT: Torque Breaking Point on the Stem in "lb x in"



cim105.1 90° Angle Body Ball Valve for Gas Service

FIPT x Flare • UL/CSA/AGA Listed



Size	1/2" x 3/8"	3/4" x 5/8"
Cim No.	105-0304	105-0506

		С	US	ri9
Size	1/2" x 3/8"		3/4" x 5/8"	
		\neg		

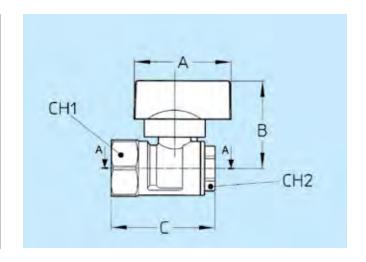
Applications:

The CIM 105.1 ball valve is manufactured in accordance with EN ISO 9001 and is designed for use with gases. Applications include residential and commercial use for the distribution of natural gas and propane.

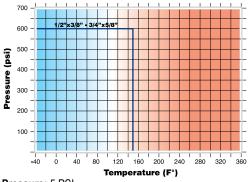
Features:

The CIM 105.1 gas valve features a two piece design and includes a unique blast proof/impact proof 3 part stem design that allows handle option flexibility.

Size FL Port inch Port mm	1/2" 3/8" 0.39" 10mm	3/4" 5/8" 0.59" 15mm
A	1-11/16" 43mm	1-11/16" 43mm
В	1-9/16" 39mm	1-5/8" 41.5mm
С	1-13/16" 46mm	2-1/16" 51.5mm
CH1	1" 25mm	1-1/4" 31.5mm
CH2	3/4" 18mm	13/16" 21mm
Pounds Grams	0.35 158	0.57 258



PRESSURE/TEMPERATURE RATINGS

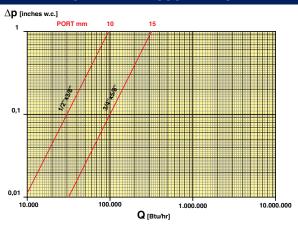


Working Pressure: 5 PSI

Max. Operating Temperature: Working Limit for Fluids -40° F - 150° F

Test Pressures: According to ISO 5208

FLOW AND PRESSURE DROP



FC CM CS MT

105.1	SIZE x FL	1/2" x 3/8"	3/4" x 5/8"
FC	BTU/h	51,352	171,710
СМ	N x m	0.3	0.4
	lb x in	3	4
CS	N x m	1	1
	lb x in	9	9
MT	N x m	6	6
	lb x in	53	53

FC: Capacity is determined by the quantity in BTU/h of a gas of 0.64 SG which can be passed with a pressure drop equal to 0.3" water column

CM: Working Torque in "lb x in" CS: Starting Torque in "lb x in"

MT: Torque Breaking Point on the Stem in "lb x in"



GLOBE, GATE, CHECK, & BALANCING VALVES



cim73.1 45° Angle Body Globe Valve

FIPT x FIPT • Rising Stem • P.T.F.E. Seat

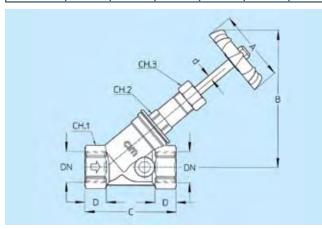
Applications:

The CIM 73.1 globe valve is manufactured in accordance with BS 5154/B and EN ISO 9001 and is designed for use in a wide range of applications where fine flow regulation is required including residential and commercial plumbing, industrial applications, agricultural applications, heating plants, waterworks, steam, and sanitary systems as well as oil, gasoline and other hydrocarbon services.

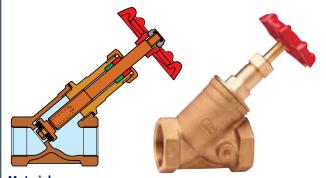
Features:

The CIM 73.1 angle body globe valve features a screwed-in bonnet, rising stem, and a P.T.F.E. disc design with an adjustable opening capable of fine flow regulation or complete retraction out of the flow path.

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Cim No.	73-04	73-06	73-07	73-08	73-09	73-10



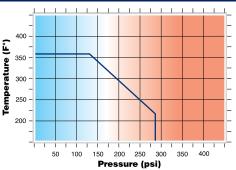
Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Port inch	0.55"	0.75"	0.98"	1.26"	1.46"	1.85"
Port mm	14mm	20mm	25mm	32mm	37mm	47mm
А	2-3/16"	2-3/8"	2-9/16"	2-15/16"	3-1/8"	3-9/16"
	55mm	60mm	65mm	75mm	80mm	90mm
В	3-9/16"	4-9/16"	5-5/16"	6-5/16"	6-7/8"	8-1/4"
	90mm	115mm	135mm	160mm	174mm	210mm
С	2-5/16"	2-11/16"	3"	3-5/8"	3-15/16"	4-15/16"
	59mm	68mm	76mm	92mm	100mm	125mm
D	7/16"	1/2"	9/16"	5/8"	5/8"	11/16"
	11mm	12mm	14mm	15mm	15mm	18mm
CH1	1-1/8"	1-5/16"	1-5/8"	2-1/16"	2-3/16"	2-3/4"
	28mm	34mm	42mm	52mm	56mm	70mm
CH2	11/16"	13/16"	15/16"	1"	1-3/16"	1-1/4"
	17mm	21mm	24mm	26mm	30mm	32mm
CH3	3/4"	13/16"	15/16"	1-1/16"	1-1/16"	1-3/16"
	19mm	21mm	24mm	27mm	27mm	30mm
d	5/16"	5/16"	3/8"	7/16"	1/2"	9/16"
	8mm	8mm	9mm	11mm	12mm	14mm
Pounds	0.73	1.08	1.52	2.4	3.02	5.16
Grams	330	490	690	1090	1370	2430



Materials:

- Body: Cast Bronze to BS 1400 LG2 (Cu85Sn5Zn5Pb5)
- Bonnet: Hot Forged Brass ASTM C37700
- Stem and Metal Components: 36600 Bar Stock
- Disc: P.T.F.E.
- Packing Gland: AF 15/MA Heat Resistant Fiber, (Asbestos Free) Elastomers, Synthetic Resin and P.T.F.E., Maximum Temperature of 482° F
- Handwheel: Hard Duraluminum Alloy Epoxy Painted Red RAL 3000, with "Open" and "Shut" Indication

PRESSURE/TEMPERATURE RATINGS

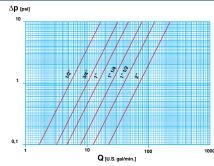


Working Pressure: 290 PSI

Max. Operating Temperature: Working Limit for Fluids 14° F – 212° F

Saturated Steam: 130 PSI at 356° F Test Pressures: According to ISO 5208

FLOW AND PRESSURE DROP



CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI" **Element:** Water - Temperature: 59.9° F

SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
CV	5.2	10.2	15	25.4	39.3	71.7



cim75.1 Globe Valve

FIPT x FIPT • Rising Stem • Metal Seat

Applications:

The CIM 75.1 globe valve is manufactured in accordance with BS 5154/B and EN ISO 9001 and is designed for use in a wide range of applications where fine flow regulation is required, including residential and commercial plumbing, industrial applications, agricultural applications, heating plants, waterworks, steam, and sanitary systems as well as oil, gasoline and other hydrocarbon services.

Features:

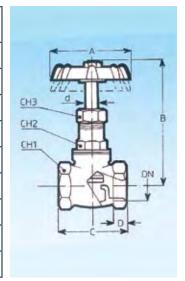
The CIM 75.1 globe valve features a screwed-in bonnet, rising stem, and a machined brass disc design that lifts with the stem and is free to rotate to create an adjustable opening capable of fine flow regulation.



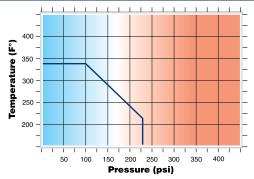
Materials:

- Body: Cast Bronze to BS 1400 LG2 (Cu85Sn5Zn5Pb5)
- Bonnet: Hot Forged Brass ASTM C37700
- Stem and Metal Components: 36600 Bar Stock
- Body Gasket: NA 1100 (Asbestos Free)
- Max. Temp. of 842° F
 Packing Gland: AF 15/MA Heat
- Resistant Fiber, (Asbestos Free)
 Elastomers, Synthetic Resin and P.T.F.E.,
 Max. Temp. of 482° F
- Handwheel: Hard Duraluminum Alloy Epoxy Painted Red RAL 3000 with "Open" and "Shut" Indication

Size	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
Cim No.	75-03	75-04	75-06	75-07	75-08	75-09	75-10	75-11	75-12	75-14
Size	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
Port inch	0.55"	0.55"	0.75"	0.98"	1.26"	1.46"	1.85"	2.32"	2.76"	3.7"
Port mm	14mm	14mm	20mm	25mm	32mm	37mm	47mm	59mm	70mm	94mm
А	2"	2-3/16"	2-3/8"	2-9/16"	2-9/16"	3-1/8"	3-1/8"	4-3/4"	4-3/4"	6-7/8"
	50mm	55mm	60mm	65mm	65mm	80mm	80mm	120mm	120mm	175mm
В	3-1/8"	3-3/8"	3-15/16"	4-5/16"	4-15/16"	5-3/4"	6-1/2"	9"	10-1/8"	12-13/16"
	80mm	86mm	100mm	110mm	125mm	146mm	165mm	228mm	258mm	325mm
С	1-3/4"	2"	2-3/8"	2-3/4"	3-3/8"	3-9/16"	4-5/16"	5-5/16"	5-3/4"	7-1/2"
	45mm	50mm	60mm	70mm	85mm	90mm	110mm	135mm	146mm	190mm
D	3/8"	7/16"	1/2"	9/16"	5/8"	5/8"	11/16"	13/16"	13/16"	15/16"
	9mm	11mm	13mm	14mm	16mm	16mm	18mm	21mm	21mm	23mm
CH1	1"	1-1/8"	1-3/8"	1-5/8"	2"	2-5/16"	2-3/4"	3-7/16"	3-15/16"	5"
	25mm	29mm	35mm	42mm	51mm	58mm	70mm	88mm	100mm	129mm
CH2	13/16"	15/16"	15/16"	1-1/8"	1-5/16"	1-1/2"	1-3/4"	2-3/16"	2-1/2"	3-1/8"
	21mm	23mm	23mm	28mm	33mm	38mm	45mm	55mm	63mm	80mm
CH3	11/16"	3/4"	3/4"	13/16"	15/16"	1"	1-1/16"	1-7/16"	1-9/16"	1-15/16"
	17mm	18mm	18mm	21mm	23mm	25mm	27mm	37mm	39mm	50mm
d	5/16"	5/16"	5/16"	3/8"	3/8"	3/8"	3/8"	5/8"	3/4"	7/8"
	8mm	8mm	8mm	9mm	9mm	10mm	10mm	16mm	19mm	22mm
Pounds	0.5	0.65	0.93	1.41	2.09	2.72	4.17	9.08	11.62	22.18
Grams	225	295	420	640	950	1230	1890	4120	5270	10060



PRESSURE/TEMPERATURE RATINGS



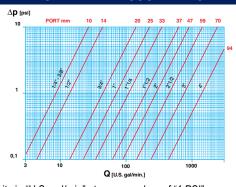
Working Pressure: 232 PSI

Integral Seat: In Accordance with Nominal Dimension

Max. Operating Temperature: Working Limit for Fluids 14° F – 212° F

Saturated Steam: 102 PSI at 338° F Test Pressures: According to ISO 5208

FLOW AND PRESSURE DROP



CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI"

Element: Water - Temperature: 59.9° F

SIZE	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
CV	13.9	13.9	45.5	71.6	110.5	199.5	283.3	431.7	766	1400.2



cim81L.1 Globe Valve

FIPT x FIPT • Rising Stem • P.T.F.E. Seat

Applications:

The CIM 81L.1 globe valve is manufactured in accordance with BS 5154/B and EN ISO 9001 and is designed for use in a wide range of applications where fine flow regulation is required, including residential and commercial plumbing, industrial applications, agricultural applications, heating plants, waterworks, steam, and sanitary systems as well as oil, gasoline and other hydrocarbon services.

Features:

The CIM 81L.1 Globe Valve features a screwed-in bonnet, rising stem, and a P.T.F.E. disc design with an adjustable opening capable of fine flow regulation.

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Cim No.	81L-04	81L-06	81L-07	81L-08	81L-09	81L-10



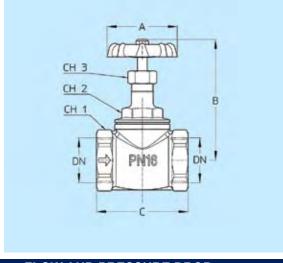
Materials:

- Body: Cast Bronze to BS 1400 LG2 (Cu85Sn5Zn5Pb5)
- Bonnet: Hot Forged Brass ASTM C37700
- Stem and Metal

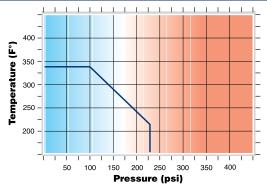
Components: 36600 Bar Stock

- Disc: P.T.F.E.
- Packing Gland: AF 15/MA
 Heat Resistant Fiber, (Asbestos
 Free) Elastomers, Synthetic
 Resin and P.T.F.E., Maximum
 Temperature of 482° F
- Handwheel: Hard
 Duraluminum Alloy Epoxy
 Painted Red RAL 3000, with
 "Open" and "Shut" Indication

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Port inch	0.55"	0.75"	0.98"	1.26"	1.46"	1.85"
Port mm	14mm	20mm	25mm	32mm	37mm	47mm
А	2-3/16"	2-3/8"	2-9/16"	2-9/16"	2-15/16"	3-1/8"
	55mm	60mm	65mm	65mm	75mm	80mm
В	3-1/4"	3-3/4"	4-1/8"	4-15/16"	5-15/16"	6-1/2"
	83mm	95mm	105mm	125mm	150mm	165mm
С	2"	2-7/16"	2-3/4"	3-3/8"	3-9/16"	4-5/16"
	50mm	61mm	70mm	85mm	90mm	110mm
CH1	1-1/8"	1-3/8"	1-5/8"	2"	2-5/16"	2-3/4"
	29mm	35mm	42mm	51mm	58mm	70mm
CH2	15/16"	15/16"	1-1/8"	1-5/16"	1-7/16"	1-3/4"
	23mm	23mm	28mm	33mm	37mm	45mm
CH3	3/4"	3/4"	13/16"	15/16"	1"	1-1/16"
	18mm	18mm	21mm	23mm	25mm	27mm
Pounds	0.65	0.91	1.41	2.09	2.7	4.1
Grams	285	415	640	950	1225	1860



PRESSURE/TEMPERATURE RATINGS

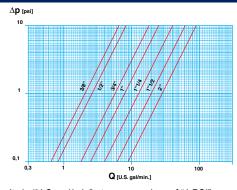


Working Pressure: 232 PSI

Max. Operating Temperature: Working Limit for Fluids 14° F – 212° F

Saturated Steam: 102 PSI at 338° F Test Pressures: According to ISO 5208

FLOW AND PRESSURE DROP



CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI" Element: Water - Temperature: 59.9° F

SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
CV	2.7	5.6	8.1	12.7	19.7	28.9



cim58.1 Full Port Gate Valve

Copper x Copper

Applications:

The CIM 58.1 gate valve is manufactured in accordance with BS 5154/B and EN ISO 9001 and is designed for use in a wide range of applications including residential and commercial plumbing, industrial applications, agricultural applications, heating plants, waterworks, steam, and sanitary systems as well as oil, gasoline and other hydrocarbon services.

Features:

The CIM 58.1 is a full port 250 WOG gate valve that features a screwed-in bonnet, non-rising stem, and solid wedge disc design.

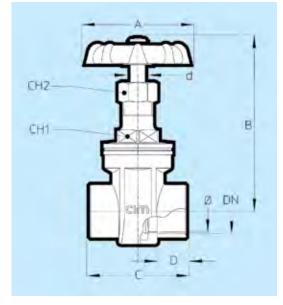
Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Cim No.	58-04	58-06	58-07	58-08	58-09	58-10



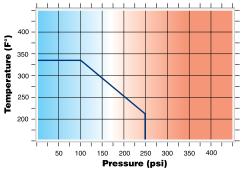
Materials:

- Body, Bonnet, Wedge: Hot Forged Brass ASTM C37700
- Stem and Metal Components: 36600 Bar Stock
- Packing: NA 1030 Gr. (Asbestos Free) is Suitable to a Maximum Temperature of 356° F
- Packing Gland: AF 15/MA Heat Resistant Fiber, (Asbestos Free) Elastomers, Synthetic Resin and P.T.F.E. It is Suitable to a Maximum Temperature of 482° F
- Handwheel: Hard Duraluminum Alloy Epoxy Painted Red RAL 3000 Showing "On-Off"

Size Port inch Port mm	1/2" 0.51" 13mm	3/4" 0.75" 19mm	1" 0.94" 24mm	1-1/4" 1.26" 32mm	1-1/2" 1.46" 37mm	2" 1.85" 47mm
А	2-3/16" 55mm	2-3/8" 60mm	2-9/16" 65mm	2-15/16" 75mm	3-1/8" 80mm	3-9/16" 90mm
В	3-1/8" 80mm	3-11/16" 93.5mm	4-1/16" 103.5mm	4-3/4" 120mm	5-1/4" 134mm	5-7/8" 148.5mm
С	2" 50mm	2-1/8" 54mm	2-9/16" 65mm	2-7/8" 73mm	3-1/16" 78mm	3-5/8" 92.5mm
D	9/16" 15mm	5/8" 16.5mm	3/4" 19mm	13/16" 20mm	15/16" 23mm	1-3/16" 29.5mm
CH1	15/16" 24mm	1-3/16" 30mm	1-1/4" 32mm	1-1/4" 32mm	1-9/16" 39mm	1-7/8" 47mm
CH2	3/4" 18mm	3/4" 18mm	3/4" 18mm	13/16" 21mm	15/16" 23mm	1" 25mm
d	5/16" 8mm	5/16" 8mm	5/16" 8mm	3/8" 10mm	3/8" 10mm	7/16" 12mm
Pounds Grams	0.52 235	0.79 360	1.05 475	1.6 725	2.13 965	3.09 1400



PRESSURE/TEMPERATURE RATINGS



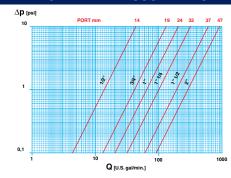
Working Pressure: 250 PSI

Integral Seat: In Accordance with Nominal Dimension

Max. Operating Temperature: Working Limit for Fluids 14° F – 212° F

Saturated Steam: 102 PSI at 338° F Test Pressures: According to ISO 5208

FLOW AND PRESSURE DROP



CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI" **Element:** Water - Temperature: 59.9° F

SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
CV	12.7	38.1	60.4	95.4	181.2	259.7



cim70.1 Full Port Gate Valve

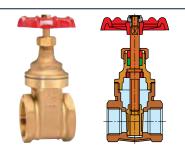
FIPT x FIPT

Applications:

The CIM 70.1 gate valve is manufactured in accordance with BS 5154/B and EN ISO 9001 and is designed for use in a wide range of applications including residential and commercial plumbing, industrial applications, agricultural applications, heating plants, waterworks, steam, and sanitary systems as well as oil, gasoline and other hydrocarbon services.

Features:

The CIM 70.1 is a full port 250 WOG gate valve that features a screwed-in bonnet, non-rising stem, and solid wedge disc design.



Materials:

- Body, Bonnet, Wedge: Hot Forged Brass ASTM C37700
- Stem and Metal Components: 36600 Bar Stock
- Packing: NA 1030 Gr. (Asbestos Free) is Suitable to a Maximum Temperature of 356° F
- Packing Gland: AF 15/MA Heat Resistant Fiber, (Asbestos Free) Elastomers, Synthetic Resin and P.T.F.E. It is Suitable to a Maximum Temperature of 482° F
- Handwheel: Hard Duraluminum Alloy Epoxy Painted Red RAL 3000 Showing "On-Off"

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	5"	6"
Cim No.	70-04	70-06	70-07	70-08	70-09	70-10	70-11	70-12	70-14	70-15	70-16

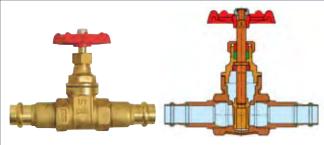
cim70PRS.1 cimPRESS™ Full Port Gate Valve

CimPRESS x CimPRESS

Features:

CimPRESS™ valves are manufactured from DZR "CR" corrosion-resistant brass and feature double EPDM-ASTM D 2000 M2 O-rings to insure a leak proof cold crimped seal.

All CimPRESS™ valves are designed for direct connection to hard drawn copper and/or stainless steel tube using standard press tools. CimPRESS™ valves are suitable for use with nonaggresive fluid applications including residential, industrial, and agricultural systems. (CimPRESS is not intended for use with soft or rolled copper tubing) CimPRESS™ valves eliminate the torch and the need to clean, flux and solder in order to create a permanent watertight valve connection; significantly reducing average installation time while avoiding potential fire risks and other problems associated with sweat connections, saving time and money.



Materials:

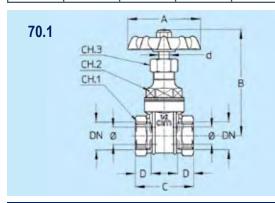
- Body: Hot Forged Brass ASTM C37700
- Stem and Metal Components: 36600 Bar Stock
- Packing: NA 1030 Gr. (Asbestos Free) is Suitable to a Maximum Temperature of 356° F
- Packing Gland: AF 15/MA Heat Resistant Fiber, (Asbestos Free) Elastomers, Synthetic Resin and P.T.F.E.
- Handwheel: Hard Duraluminum Alloy Epoxy Painted Red RAL 3000 Showing "On-Off"
- O-Ring: EPDM ASTM D 2000 M2

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Cim No.	70PRS-04	70PRS-06	70PRS-07	70PRS-08	70PRS-09	70PRS-10



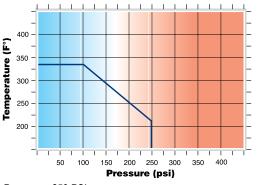
cim70.1 & 70PRS.1 Full Port Gate Valves

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	5"	6"
Port inch	0.55"	0.75"	0.98"	1.26"	1.46"	1.85"	2.32"	2.76"	3.7"	4.65"	5.51"
Port mm	14mm	20mm	25mm	32mm	37mm	47mm	59mm	70mm	94mm	118mm	140mm
А	2-3/16"	2-3/8"	2-9/16"	2-15/16"	3-1/8"	3-9/16"	4-5/16"	4-3/4"	5-1/2"	6-7/8"	6-7/8"
	55mm	60mm	65mm	75mm	80mm	90mm	110mm	120mm	140mm	175mm	175mm
В	3-1/8"	3-3/4"	4"	4-3/4"	5-5/16"	5-15/16"	7-1/4"	8-1/16"	10-1/4"	13"	15-1/4"
	80mm	95mm	101mm	120mm	135mm	150mm	185mm	205mm	260mm	330mm	386mm
C	1-3/4"	1-7/8"	2-1/8"	2-3/8"	2-1/2"	2-13/16"	3-1/8"	3-3/8"	3-13/16"	4-7/16"	4-3/4"
70.1	44mm	48mm	54mm	60mm	64mm	72mm	80mm	85mm	97mm	112mm	120mm
C 70PRS.1	5-3/4" 146mm	5-7/8" 150mm	6-1/8" 156mm	6-3/8" 162mm	6-1/2" 166mm	6-13/16" 174mm			N/A		
D	1/2"	9/16"	9/16"	11/16"	11/16"	13/16"	13/16"	7/8"	15/16"	1-1/8"	1-1/8"
70.1	12mm	14mm	15mm	17mm	17mm	21mm	21mm	22mm	23mm	28mm	29mm
D 70PRS.1	2-1/2" 63mm	2-9/16" 65mm	2-9/16" 66mm	2-11/16" 68mm	2-11/16" 68mm	2-13/16" 72mm	N/A				
CH1	1-1/16"	1-3/8"	1-9/16"	2"	2-3/16"	2-3/4"	3-3/8"	4"	5"	6-1/8"	7-1/16"
	27mm	34mm	40mm	50mm	56mm	69mm	85mm	102mm	127mm	155mm	180mm
CH2	15/16"	1-3/16"	1-1/4"	1-1/4"	1-9/16"	1-7/8"	2-3/16"	2-5/8"	3-5/16"	4-1/2"	5-1/4"
	24mm	30mm	32mm	32mm	39mm	47mm	55mm	66mm	84mm	114mm	134mm
CH3	3/4"	3/4"	3/4"	13/16"	15/16"	1"	1-3/16"	1-3/16"	1-7/16"	1-3/4"	1-15/16"
	18mm	18mm	18mm	21mm	23mm	25mm	30mm	30mm	37mm	45mm	49mm
d	5/16"	5/16"	5/16"	3/8"	3/8"	7/16"	1/2"	9/16"	11/16"	3/4"	13/16"
	8mm	8mm	8mm	10mm	10mm	12mm	13mm	14mm	17mm	19mm	21mm
Weight	0.54 lbs	0.83 lbs	1.10 lbs	1.65 lbs	2.18 lbs	3.15 lbs	5.38 lbs	7.72 lbs	13.34 lbs	22.27 lbs	30.97 lbs
70.1	245 g	375 g	500 g	750 g	990 g	1430 g	2440 g	3500 g	6050 g	10100 g	14050 g
Weight 70PRS.1	0.54 lbs 245 g	0.83 lbs 375 g	1.10 lbs 500 g	1.65 lbs 750 g	2.18 lbs 990 g	3.15 lbs 1430 g			N/A		
70PRS.1 Pipe	1.5580"	1.7380"	1.7310"	1.6975"	1.8895"	2.128"	N/A				
Insertion Depth	39.57mm	44.14mm	43.97mm	43.12mm	47.99mm	54.04mm					



70PRS.1

PRESSURE/TEMPERATURE RATINGS



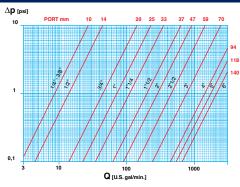
Working Pressure: 250 PSI

Integral Seat: In Accordance with Nominal Dimension

Max. Operating Temperature: Working Limit for Fluids 14° F – 212° F

Saturated Steam: 102 PSI at 338° F Test Pressures: According to ISO 5208

FLOW AND PRESSURE DROP



CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI"

Element: Water - Temperature: 59.9° F

1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	5"	6"
13.9	45.5	71.6	110.5	199.5	283.3	431.7	766	1400.2	1734.6	2099.9



cim80.1 Swing Check Valve

FIPT x FIPT

Applications:

The CIM 80.1 swing check valve is manufactured in accordance with BS 5154/B–PN16 and EN ISO 9002 and is designed for either vertical or horizontal installation for use in residential and commercial plumbing; industrial applications; and heating, sanitary, pneumatic, waterworks, autoclaves, and pump systems.

Features:

The CIM 80.1 swing check valve with screwed bonnet and metal to metal seating features a one piece hot forged brass EN 12165 - CW617N swing disc designed for a low pressure drop and reduced water-hammer. The CIM 80.1 is suitable for vertical or horizontal installation in a pipeline to accommodate flow in one direction.



Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
Cim No.	80-04	80-06	80-07	80-08	80-09	80-10	80-11	80-12	80-14

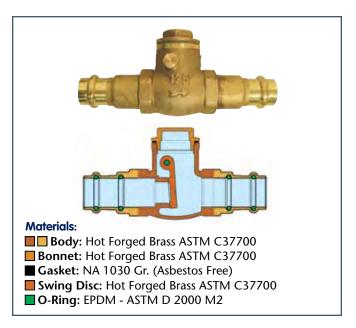
cim80PRS.1 cimPRESS™ Swing Check Valve

CimPRESS x CimPRESS

Features:

CimPRESS™ valves are manufactured from DZR "CR" corrosion-resistant brass and feature double EPDM-ASTM D 2000 M2 O-rings to insure a leak proof cold crimped seal.

All CimPRESS™ valves are designed for direct connection to hard drawn copper and/or stainless steel tube using standard press tools. CimPRESS™ valves are suitable for use with nonaggresive fluid applications including residential, industrial, and agricultural systems. (CimPRESS is not intended for use with soft or rolled copper tubing) CimPRESS™ valves eliminate the torch and the need to clean, flux and solder in order to create a permanent watertight valve connection; significantly reducing average installation time while avoiding potential fire risks and other problems associated with sweat connections, saving time and money.

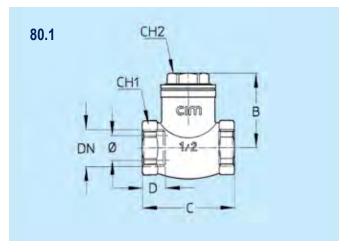


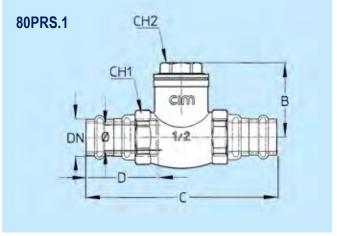
Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Cim No.	80PRS-04	80PRS-06	80PRS-07	80PRS-08	80PRS-09	80PRS-10



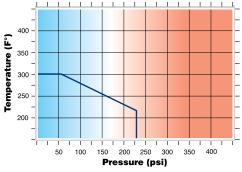
cim80.1 & 80PRS.1 Swing Check Valves

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
В	1-5/8"	1-3/4"	2-1/16"	2-3/8"	2-7/16"	2-13/16"	3-3/8"	3-3/4"	4-9/16"
	42mm	45mm	52mm	60mm	62mm	72mm	86mm	94mm	115mm
C	2-1/16"	2-7/16"	2-3/4"	3-5/16"	3-7/16"	4-3/16"	4-3/4"	5-7/16"	6-11/16"
80.1	52mm	62mm	70mm	84mm	88mm	106mm	120mm	138mm	170mm
C 80PRS.1	6-1/16" 154mm	6-7/16" 164mm	6-3/4" 172mm	7-5/16" 186mm	9-7/16" 190mm	10-3/16" 208mm		N/A	
D	7/16"	1/2"	9/16"	5/8"	13/16"	3/4"	13/16"	13/16"	15/16"
80.1	11mm	13mm	14mm	16mm	16mm	18mm	21mm	21mm	23mm
D 80PRS.1	2-7/16" 62mm	2-1/2" 64mm	2-9/16" 65mm	2-5/8" 67mm	2-13/16" 67mm	2-3/4" 69mm		N/A	
CH1	1-1/8"	1-3/8"	1-5/8"	1-15/16"	2-1/4"	2-3/4"	3-3/8"	3-15/16"	4-15/16"
	28mm	34mm	41mm	50mm	57mm	70mm	85mm	100mm	126mm
CH2	13/16"	1"	1-1/4"	1-7/16"	1-5/8"	2-1/16"	2-9/16"	2-15/16"	3-1/2"
	21mm	26mm	32mm	37mm	42mm	52mm	65mm	75mm	89mm
Weight	0.51 lbs	0.74 lbs	1.06 lbs	1.59 lbs	1.94 lbs	3.21 lbs	4.59 lbs	6.64 lbs	12.24 lbs
80.1	230 g	335 g	480 g	720 g	880 g	1455 g	2080 g	3010 g	5550 g
Weight 80PRS.1	0.51 lbs 230 g	0.74 lbs 335 g	1.06 lbs 480 g	1.59 lbs 720 g	1.94 lbs 880 g	3.21 lbs 1455 g		N/A	
80PRS.1 Pipe Insertion Depth	1.5580" 39.57mm	1.7380" 44.14mm	1.7310" 43.97mm	1.6975" 43.12mm	1.8895" 47.99mm	2.128" 54.04mm		N/A	





DDESCRIPE/TEMPERATURE DATINGS

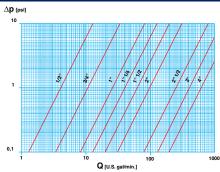


Working Pressure: 232 PSI

Max. Operating Temperature: Working Limit for Fluids 14° F $- 212^{\circ}$ F

Saturated Steam: 54 PSI at 302° F Test Pressures: According to ISO 5208

FLOW AND PRESSURE DROP



CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI" **Element:** Water - Temperature: 59.9° F

1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
3.8	10.1	24.4	37.1	59.4	91.1	235.3	381.4	572.3



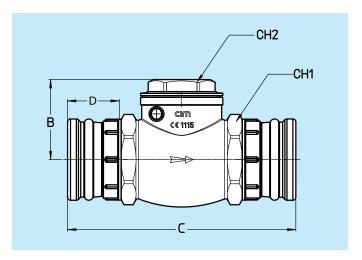
cim80XLB.1 cimPRESS™ XLB Swing Check Valve

CimPRESS x CimPRESS • For Use with XL Press Jaws and Rings Only

Size	2-1/2"	3"	4"
Cim No.	80XLB-11	80XLB-12	80XLB-14



Size	2-1/2"	3"	4"
В	3-7/8"	3-3/4"	4-1/2"
	86mm	94mm	115mm
С	9-13/16"	10-3/8"	11-7/8"
	246mm	264mm	302mm
D	2-3/16"	2-3/16"	2-3/8"
	55mm	55mm	60mm
CH1	3-3/8"	3-7/16"	4-15/16"
	85mm	100mm	126mm
CH2	2-9/16"	2-15/16"	3-1/2"
	65mm	75mm	89mm
Pounds	7.85	10.75	18.35
Grams	3560	4875	8325
Required Pipe	2.1720"	2.1675"	2.3670"
Insertion Depth	55.16mm	55.06mm	60.12mm



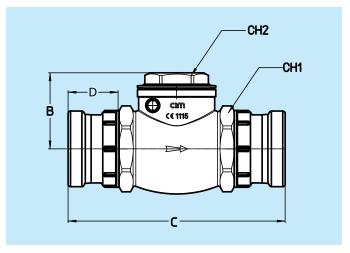
cim80XLC.1 cimPRESS™ XLC Swing Check Valve

CimPRESS x CimPRESS • For Use with XL-C Press Jaws and Rings Only

Size	2-1/2"	3"	4"
Cim No.	80XLC-11	80XLC-12	80XLC-14

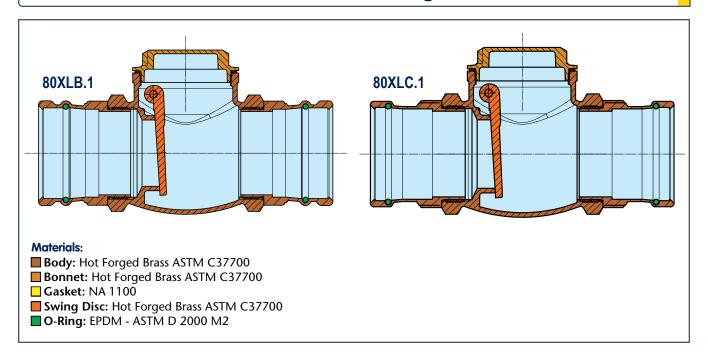
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3"	

Size	2-1/2"	3"	4"
В	3-7/8"	3-3/4"	4-1/2"
	86mm	94mm	115mm
С	9-13/16"	10-3/8"	11-7/8"
	246mm	264mm	302mm
D	2-3/16"	2-3/16"	2-3/8"
	55mm	55mm	60mm
CH1	3-3/8"	3-7/16"	4-15/16"
	85mm	100mm	126mm
CH2	2-9/16"	2-15/16"	3-1/2"
	65mm	75mm	89mm
Pounds	7.4	10.28	17.81
Grams	3360	4665	8080
Required Pipe	2.1685"	2.1525	2.3565"
Insertion Depth	55.08mm	54.67mm	59.85mm

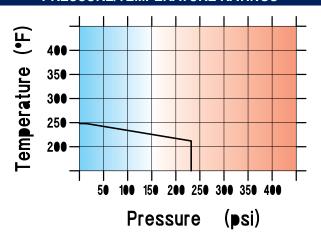




cim80XLB.1 & 80XLC.1 cimPRESS™ Swing Check Valves



PRESSURE/TEMPERATURE RATINGS

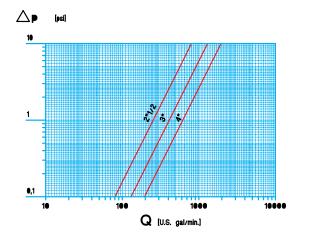


Working Pressure: 232 PSI

Max. Operating Temperature: Working Limit for Fluids 14° F $- 212^{\circ}$ F

Saturated Steam: 54 PSI at 302° F Test Pressures: According to ISO 5208

FLOW AND PRESSURE DROP



CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI" **Element:** Water - Temperature: 59.9° F

SIZE	2-1/2"	3"	4"
CV	254	411	617



cim30.1 Inline Check Valve cim30A.1 Inline Check Foot Valve

FIPT x FIPT

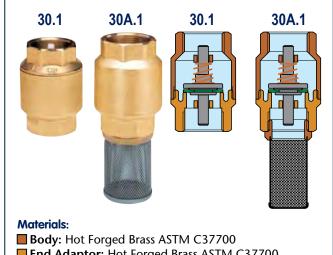
Applications:

The CIM 30.1 inline check valve is manufactured in accordance with EN ISO 9002 and is designed for vertical, horizontal or angled installation for use in domestic and commercial plumbing, and sanitary, autoclaves, pump and compressed air systems.

Features:

The CIM 30.1 inline check valve utilizes a compact noiseless design that provides a low pressure drop and reduced water-hammer. The CIM 30.1 is built with a double stem guide to facilitate trouble-free operation and a stainless steel spring-loaded Hostaform thermoplastic free rotating stem that opens at .36 PSI. The CIM 30.1 will provide a full flow area equal to the nominal size, and can be installed vertically, horizontally or at an angle in a pipeline to accommodate flow in one direction.

The CIM 30A.1 foot valve utilizes our 30.1 inline check valve combined with an 18/8 ANSI 302 stainless steel filtering "foot".



- End Adaptor: Hot Forged Brass ASTM C37700
- Spring: 18/8 ANSI 302 Stainless Steel ■ Stem: Hostaform Thermoplastic
- Disc: NBR
- Filtering "Foot": 18/8 ANSI 302 Stainless Steel

Size	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
Cim No.	30-03	30-04	30-06	30-07	30-08	30-09	30-10	30-11	30-12	30-14
Cim No.	N/A	30A-04	30A-06	30A-07	30A-08	30A-09	30A-10	30A-11	30A-12	30A-14

cim30PRS.1 cimPRESS™ Inline Check Valve

CimPRESS x CimPRESS

Features:

CimPRESS™ valves are manufactured from DZR "CR" corrosion-resistant brass and feature double EPDM-ASTM D 2000 M2 O-rings to insure a leak proof cold crimped seal.

All CimPRESS™ valves are designed for direct connection to hard drawn copper and/or stainless steel tube using standard press tools. CimPRESS™ valves are suitable for use with nonaggresive fluid applications including residential, industrial, and agricultural systems. (CimPRESS is not intended for use with soft or rolled copper tubing) CimPRESS™ valves eliminate the torch and the need to clean, flux and solder in order to create a permanent watertight valve connection; significantly reducing average installation time while avoiding potential fire risks and other problems associated with sweat connections, saving time and money.

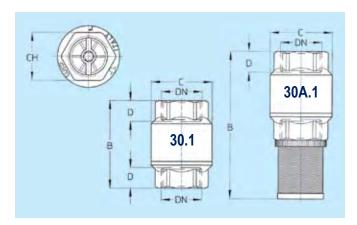


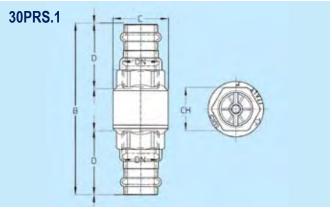
Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Cim No.	30PRS-04	30PRS-06	30PRS-07	30PRS-08	30PRS-09	30PRS-10



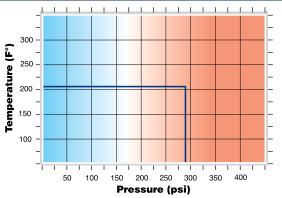
cim30.1, 30A.1 & 30PRS.1 Inline Check Valves

Size	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
B	2-3/16"	2-3/16"	2-7/16"	2-13/16"	3-1/4"	3-3/4"	4-5/16"	5-1/16"	5-9/16"	5-3/4"
30.1	55mm	55mm	62mm	72mm	82mm	96mm	109mm	129mm	141mm	146mm
B	N/A	3-3/8"	4-5/16"	4-3/4"	5-1/2"	6-7/16"	7-9/16"	8-7/16"	9-1/2"	10-3/16"
30A.1		98mm	110mm	120mm	140mm	163mm	192mm	214mm	242mm	259mm
B 30PRS.1	N/A	6-3/16" 157mm	6-7/16" 164mm	6-13/16" 174mm	7-1/4" 184mm	7-3/4" 198mm	8-5/16" 211mm		N/A	
С	1-3/8"	1-3/8"	1-5/8"	2"	2-3/8"	2-3/4"	3-1/4"	4-1/16"	4-13/16"	6-5/16"
	35mm	35mm	42mm	50mm	60mm	70mm	83mm	103mm	123mm	160mm
D	3/8"	1/2"	1/2"	9/16"	5/8"	11/16"	13/16"	1"	1"	1"
	10mm	12mm	13mm	14mm	16mm	18mm	20mm	25mm	25mm	26mm
D 30PRS.1	N/A	2-1/2" 63mm	2-1/2" 63mm	2-9/16" 65mm	2-5/8" 67mm	2-11/16" 69mm	2-13/16" 71mm		N/A	
CH	1"	1"	1-1/2"	1-9/16"	1-7/8"	2-3/16"	2-5/8"	3-7/16"	3-15/16"	4-13/16"
	25mm	25mm	31mm	39mm	48mm	55mm	67mm	88mm	100mm	123mm
Weight	0.39 lbs	0.34 lbs	0.53 lbs	0.82 lbs	1.06 lbs	2.02 lbs	2.91 lbs	5.52 lbs	7.69 lbs	11.33 lbs
30.1	175 g	155 g	240 g	370 g	480 g	915 g	1320 g	2505 g	3490 g	5140 g
Weight 30PRS.1	N/A	0.34 lbs 155 g	0.53 lbs 240 g	0.82 lbs 370 g	1.06 lbs 480 g	2.02 lbs 915 g	2.91 lbs 1320 g		N/A	
30PRS.1 Pipe Insertion Depth	N/A	1.5580" 39.57mm	1.7380" 44.14mm	1.7310" 43.97mm	1.6975" 43.12mm	1.8895" 47.99mm	2.128" 54.04mm		N/A	





PRESSURE/TEMPERATURE RATINGS

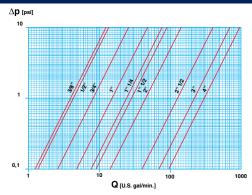


Working Pressure: 290 PSI

Max. Operating Temperature: Working Limit for Fluids 14° F – 212° F

Test Pressures: According to ISO 5208

FLOW AND PRESSURE DROP



CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI" **Element:** Water - Temperature: 59.9° F

3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
3.93	4.3	8.1	15	24.3	28.9	44	124.9	222.1	305.4



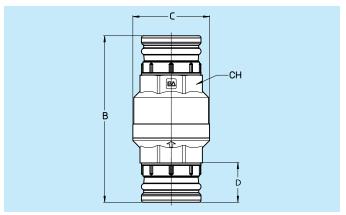
cim30XLB.1 cimPRESS™ XLB Inline Check Valve

CimPRESS x CimPRESS • For Use with XL Press Jaws and Rings Only

Size	000/// 5 44		4"
Cim No.	30XLB-11	30XLB-12	30XLB-14



Size	2-1/2"	3"	4"
В	10-1/16"	10-1/2"	10-15/16"
	255mm	267mm	278mm
С	4-1/16"	4-7/8"	6-5/16"
	103mm	123mm	160mm
D	2-3/16"	2-3/16"	2-3/8"
	55mm	55mm	60mm
СН	3-7/16"	3-15/16"	4-7/8"
	88mm	100mm	123mm
Pounds	8.78	11.8	17.45
Grams	3981	5353	7914
Required Pipe	2.1720"	2.1675"	2.3670"
Insertion Depth	55.16mm	55.06mm	60.12mm



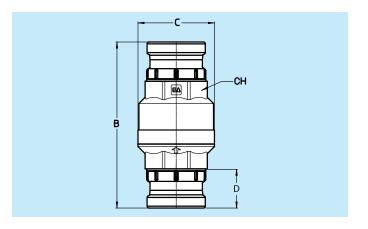
cim30XLC.1 cimPRESS™ XLC Inline Check Valve

CimPRESS x CimPRESS • For Use with XL-C Press Jaws and Rings Only

Size	2-1/2"	3"	4"
Cim No.	30XLC-11	30XLC-12	30XLC-14

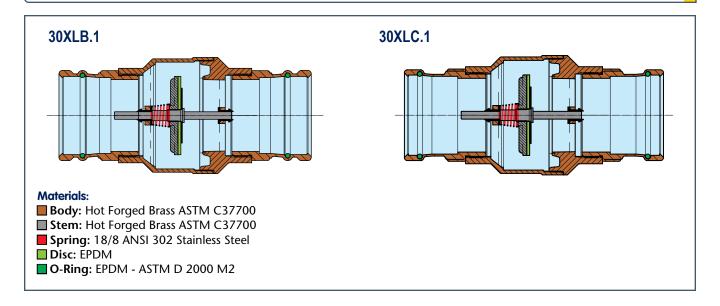


Size	2-1/2"	3"	4"
В	10-1/16"	10-1/2"	10-15/16"
	255mm	267mm	278mm
С	4-1/16"	4-7/8"	6-5/16"
	103mm	123mm	160mm
D	2-3/16"	2-3/16"	2-3/8"
	55mm	55mm	60mm
СН	3-7/16"	3-15/16"	4-7/8"
	88mm	100mm	123mm
Pounds	8.34	11.34	16.9
Grams	3785	5142	7668
Required Pipe	2.1685"	2.1525	2.3565"
Insertion Depth	55.08mm	54.67mm	59.85mm

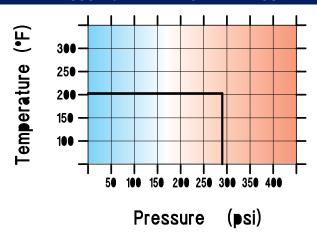




cim30XLB.1 & 30XLC.1 cimPRESS™ Inline Check Valves



PRESSURE/TEMPERATURE RATINGS

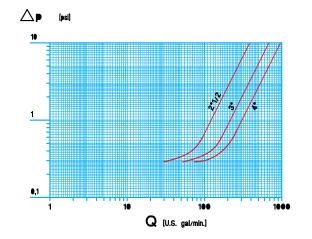


Working Pressure: 290 PSI

Max. Operating Temperature: Working Limit for Fluids 14° F $- 212^{\circ}$ F

Test Pressures: According to ISO 5208

FLOW AND PRESSURE DROP



CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI" **Element:** Water - Temperature: 59.9° F

SIZE	2-1/2"	3"	4"
CV	124.9	222.1	305.4



cim74.1 "Y" Strainer

FIPT x FIPT

Applications:

The CIM 74.1 Y Strainer is manufactured in accordance with BS 5154/B–PN20 and EN ISO 9002 and is designed for use in residential and commercial plumbing, industrial applications, agricultural systems, waterworks, saturated steam or high temperature hot water service, as well as oil, gasoline and other hydrocarbon services (CIM 74/ACRG).

Features:

The CIM 74.1 Y Strainer is built from a cast corrosion resistant brass "CR" EN 1982-CC7525, with a 18/8 ANSI302 stainless steel strainer screen designed to collect impurities such as sand, rust, and metal shavings to safeguard pipes and valves from mechanical damage and deposits.

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Cim No.	74-04	74-06	74-07	74-08	74-09	74-10



O-Ring: HNBR - ASTM D 2000 M2

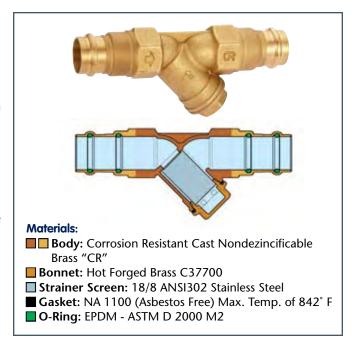
cim74PRS.1 cimPRESS™ "Y" Strainer

CimPRESS x CimPRESS

Features:

CimPRESS™ valves are manufactured from DZR "CR" corrosion-resistant brass and feature double EPDM-ASTM D 2000 M2 O-rings to insure a leak proof cold crimped seal.

All CimPRESS™ valves are designed for direct connection to hard drawn copper and/or stainless steel tube using standard press tools. CimPRESS™ valves are suitable for use with nonaggresive fluid applications including residential, industrial, and agricultural systems. (CimPRESS is not intended for use with soft or rolled copper tubing) CimPRESS™ valves eliminate the torch and the need to clean, flux and solder in order to create a permanent watertight valve connection; significantly reducing average installation time while avoiding potential fire risks and other problems associated with sweat connections, saving time and money.

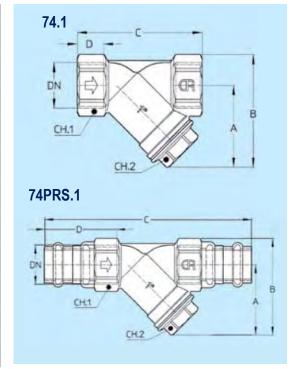


Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Cim No.	74PRS-04	74PRS-06	74PRS-07	74PRS-08	74PRS-09	74PRS-10

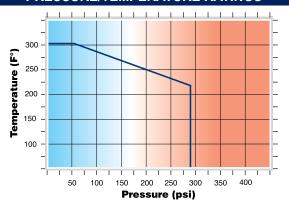


cim74.1 & 74PRS.1 "Y" Strainers

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
А	1-9/16"	1-15/16"	2-5/16"	2-3/4"	3-3/16"	3-7/8"
	39mm	49.5mm	59mm	70mm	81mm	99mm
В	2-1/8"	2-11/16"	3-1/4"	3-15/16"	4-5/16"	5-7/16"
	54mm	68mm	82mm	99mm	112mm	138.5mm
C	2-11/16"	3"	3-9/16"	4-1/4"	4-9/16"	5-9/16"
74.1	68mm	77mm	91mm	108mm	116mm	143mm
C	6-11/16"	7"	7-9/16"	8-1/4"	8-9/16"	9-9/16"
74PRS.1	170mm	179mm	193mm	210mm	218mm	245mm
D	9/16"	5/8"	3/4"	13/16"	13/16"	1"
74.1	15mm	16.5mm	19mm	21.5mm	21.5mm	26mm
D	2-9/16"	2-5/8"	2-3/4"	2-13/16"	2-13/16"	3"
74PRS.1	66mm	67mm	70mm	72mm	72mm	77mm
CH1	1-1/8"	1-5/16"	1-9/16"	2"	2-1/4"	2-13/16"
	28mm	33mm	40mm	51mm	56mm	71mm
CH2	3/4"	7/8"	1-1/8"	1-5/16"	1-9/16"	2-3/16"
	18mm	22mm	29mm	34mm	39mm	25mm
Weight	0.46 lbs	0.69 lbs	1 lbs	1.68 lbs	2.15 lbs	4.02 lbs
74.1	210 g	315 g	455 g	460 g	975 g	1825 g
Weight	0.46 lbs	0.69 lbs	1 lbs	1.68 lbs	2.15 lbs	4.02 lbs
74PRS.1	210 g	315 g	455 g	460 g	975 g	1825 g
74PRS.1 Pipe	1.5580"	1.7380"	1.7310"	1.6975"	1.8895"	2.128"
Insertion Depth	39.57mm	44.14mm	43.97mm	43.12mm	47.99mm	54.04mm



PRESSURE/TEMPERATURE RATINGS

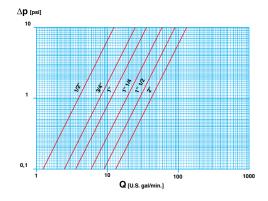


Working Pressure: 290 PSI

Max. Operating Temperature: Working Limit for Fluids 14° F $- 212^{\circ}$ F

Saturated Steam: 54 PSI at 302° F Test Pressures: According to ISO 5208

FLOW AND PRESSURE DROP



CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI" **Element:** Water - Temperature: 59.9° F

SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
CV	3.9	8.1	11.6	18.5	27.8	40.5



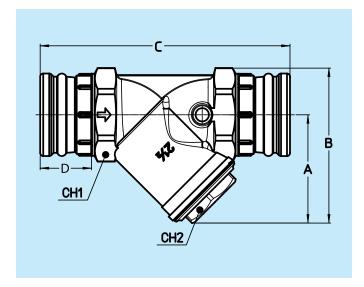
cim74XLB.1 cimPRESS™ XLB "Y" Strainer

CimPRESS x CimPRESS • For Use with XL Press Jaws and Rings Only

Size	2-1/2"	3"	4"
Cim No.	74XLB-11	74XLB-12	74XLB-14

Size	2-1/2"	3"	4"
А	4-1/2"	5-3/8"	6-9/16"
	115mm	136mm	167mm
В	6-7/16" 163mm		
С	10-3/4"	11-7/8"	13-3/4"
	273mm	301mm	349mm
D	2-3/16"	2-3/16"	2-3/8"
	55mm	55mm	60mm
CH1	3-7/16"	4"	5-1/16"
	88mm	102mm	129mm
CH2	2-9/16"	2-15/16"	3-7/8"
	65mm	75mm	85mm
Pounds	8.79	13.45	21.64
Grams	3985	6095	9815
Required Pipe	2.1720"	2.1675"	2.3670"
Insertion Depth	55.16mm	55.06mm	60.12mm





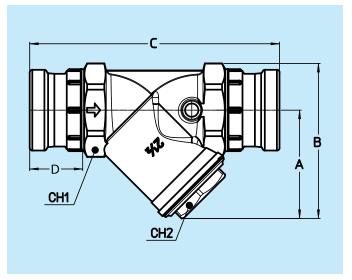
cim74XLC.1 cimPRESS™ XLC "Y" Strainer

CimPRESS x CimPRESS • For Use with XL-C Press Jaws and Rings Only

Size	2-1/2"	3"	4"
Cim No.	74XLC-11	74XLC-12	74XLC-14

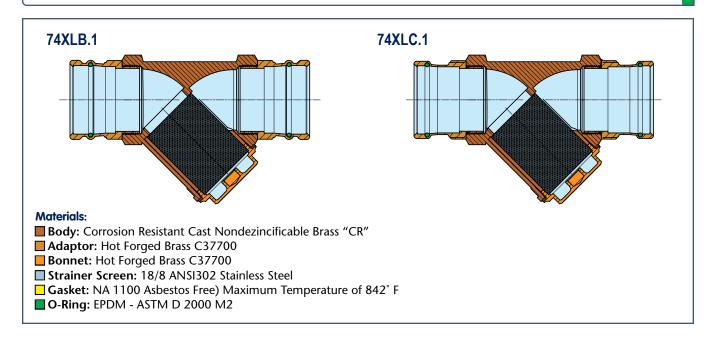
Size	2-1/2"	3"	4"
А	4-1/2"	5-3/8"	6-9/16"
	115mm	136mm	167mm
В	6-7/16"	7-11/16"	9-7/16"
	163mm	195mm	240mm
С	10-3/4"	11-7/8"	13-3/4"
	273mm	301mm	349mm
D	2-3/16"	2-3/16"	2-3/8"
	55mm	55mm	60mm
CH1	3-7/16"	4"	5-1/16"
	88mm	102mm	129mm
CH2	2-9/16"	2-15/16"	3-7/8"
	65mm	75mm	85mm
Pounds	8.36	12.97	21.1
Grams	3790	5885	9570
Required Pipe	2.1685"	2.1525	2.3565"
Insertion Depth	55.08mm	54.67mm	59.85mm



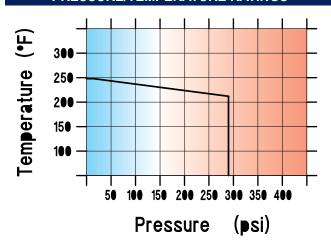




cim74XLB.1 & 74XLC.1 cimPRESS™ "Y" Strainers



PRESSURE/TEMPERATURE RATINGS

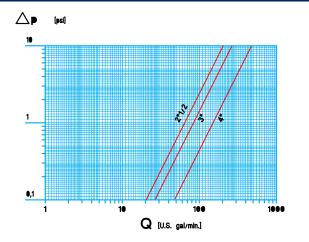


Working Pressure: 290 PSI

Max. Operating Temperature: Working Limit for Fluids 14° F -212° F

Saturated Steam: 54 PSI at 302° F Test Pressures: According to ISO 5208

FLOW AND PRESSURE DROP



CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI" Element: Water - Temperature: 59.9° F

SIZE	2-1/2"	3"	4"
CV	65	84	151



cim747.1 Balancing Valve with Fixed Orifice

FIPT x FIPT

Applications:

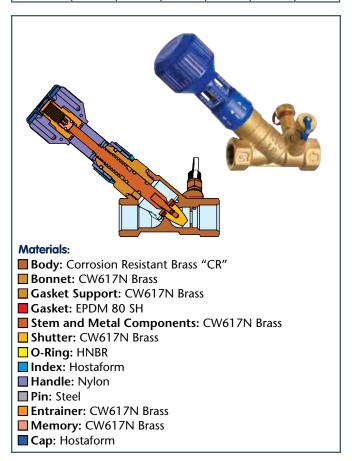
The CIM 747.1 balancing valve is manfuactured in accordance with EN ISO 9001 and is designed to provide high accuracy flow balancing and measurement across all valve settings. The CIM 747.1 is manufactured of corrosion resistant DZR brass and is suitable for both heating (LPHW) and cooling applications at working pressures up to 232 PSI.

Features:

- A compact body design integrating a fixed orifice and test points permitting high accuracy flow measurment to within +/- 5% regardless of valve setting.
- A metal to metal thread locking mechanism designed to accurately lock valve settings enabling the valve to be closed and re-opened to its exact pre-set position.
- A flip-up cap housing individual Allen key for valve position locking.
- Heat and impact resistant nylon non-rising handle with a 360° re-settable index collar and indicator scale which can be read from any angle.
- An EPDM lined valve plug designed to provide increased control and tight shut-off for isolation purposes.

The CIM 747.1 balancing valve has been tested by BSRIA with water containing high air and dirt levels. Testing results demonstrated an excellent tolerance to such conditions providing confidence that the valve will retain a high level of accuracy and repeatability of flow measurement under even the worst system conditions.

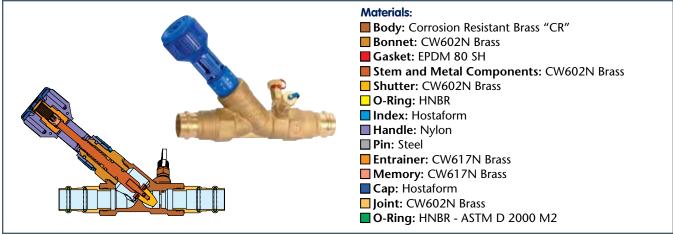
Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Cim No.	747-04	747-06	747-07	747-08	747-09	747-10



cim747PRS.1 cimPRESS™ Balancing Valve with Fixed Orifice

CimPRESS x CimPRESS

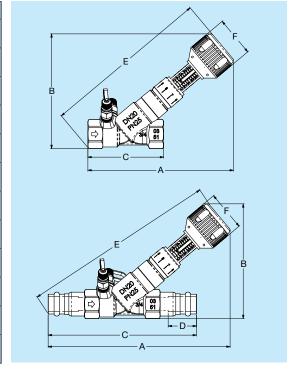
Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Cim No.	747PRS-04	747PRS-06	747PRS-07	747PRS-08	747PRS-09	747PRS-10



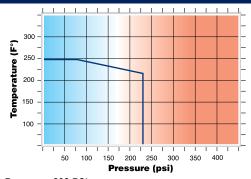


cim747.1 & 747PRS.1 Balancing Valves with Fixed Orifice

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
A	6-3/8"	7-5/16"	7-5/16"	8-1/8"	10-1/4"	11-1/16"
747.1	161mm	185mm	186mm	207mm	259.5mm	281mm
A	8-1/16"	9-3/16"	9-1/4"	10-1/16"	12-1/4"	13-7/16"
747PRS.1	205mm	233mm	235.5mm	256mm	311mm	341.5mm
В	4-15/16"	5-3/4"	6-1/4"	6-5/8"	8-3/8"	9-1/16"
	125mm	145.5mm	158.5mm	168.5mm	212mm	230mm
C	3-3/8"	3-13/16"	4-7/16"	5-11/16"	6-7/16"	7-5/8"
747.1	85mm	97mm	113mm	144mm	163mm	193mm
C	6-5/8"	7-1/2"	8-1/8"	9-3/8"	10-1/2"	12-5/16"
747PRS.1	168.5mm	190mm	207mm	238mm	266mm	313mm
D	1-9/16"	1-3/4"	1-3/4"	1-11/16"	1-7/8"	2-1/8"
	39.8mm	44mm	44mm	43mm	48mm	54mm
E	7-1/4"	8-1/2"	8-13/16"	9-11/16"	12-3/16"	13-1/4"
747.1	184.5mm	215.5mm	224mm	245.5mm	309mm	337.5mm
E	8-3/8"	9-7/8"	10-1/8"	10-3/4"	13-7/16"	14-11/16"
747PRS.1	213mm	250mm	257mm	273mm	341mm	373mm
F	2-1/16"	2-1/16"	2-1/16"	2-1/16"	2-1/4"	2-1/4"
	52mm	52mm	52mm	52mm	58mm	58mm
Weight	1.5 lbs	2.05 lbs	2.49 lbs	3.65 lbs	5.43 lbs	8.21 lbs
747.1	680 g	930 g	1130 g	1655 g	2465 g	3725 g
Weight	1.84 lbs	2.5 lbs	3.19 lbs	4.62 lbs	6.74 lbs	10.21 lbs
747PRS.1	835 g	1135 g	1445 g	2095 g	3055 g	4630 g
747PRS.1 Pipe	1.5580"	1.7380"	1.7310"	1.6975"	1.8895"	2.128"
Insertion Depth	39.57mm	44.14mm	43.97mm	43.12mm	47.99mm	54.04mm



PRESSURE/TEMPERATURE RATINGS

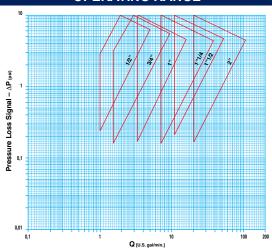


Working Pressure: 232 PSI

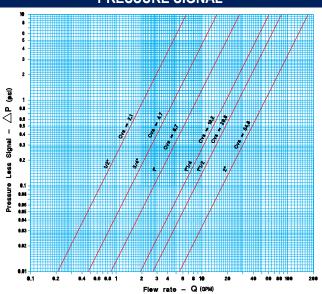
Max. Operating Temperature: Working Limit for Fluids 14 $^{\circ}$ F – 248 $^{\circ}$ F

Test Pressures: According to ISO 5208

OPERATING RANGE



PRESSURE SIGNAL



CV

CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI" **Element:** Water - Temperature: 59.9° F

SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
CV	2.1	4.7	8.7	19.2	26.8	54.8



cim787.1 Balancing Valve with Variable Orifice

FIPT x FIPT

Applications:

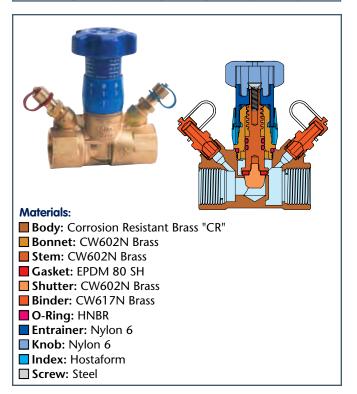
The CIM 787.1 balancing valve is manfuactured in accordance with EN ISO 9001 and is designed to provide flow balancing and measurement across all valve settings. The CIM 787.1 balancing valve is suitable for both heating (LPHW) and cooling applications at working pressures up to 290 PSI.

Features:

- A compact body design with integral test points.
- A thread locking mechanism designed to accurately lock valve settings enabling the valve to be closed and re-opened to its exact pre-set position.
- Allen key valve position locking.
- Heat and impact resistant Nylon handle with a 360° re-settable index collar and indicator scale which can be read from any angle.
- An EPDM lined valve plug designed to provide increased control and tight shut-off for isolation purposes.

The CIM 787.1 balancing valve has been tested by BSRIA with water containing high air and dirt levels. Testing results demonstrated an excellent tolerance to such conditions providing confidence that the valve will retain a high level of accuracy and repeatability of flow measurement under even the worst system conditions.

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Cim No.	787-04	787-06	787-07	787-08	787-09	787-10



cim787CC.1 Balancing Valve with Variable Orifice

Copper x Copper

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Cim No.	787CC-04	787CC-06	787CC-07	787CC-08	787CC-09	787CC-10



cim787PRS.1 cimPRESS™ Balancing Valve with Variable Orifice

CimPRESS x CimPRESS

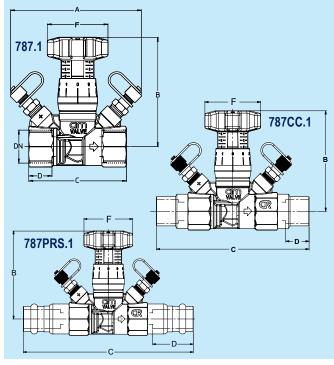
Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Cim No.	787PRS-04	787PRS-06	787PRS-07	787PRS-08	787PRS-09	787PRS-10





cim787.1, 787CC.1, & 787PRS.1 Balancing Valves w/Variable Orifice

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
A	4-3/16"	4-3/16"	4-3/16"	4-7/8"	5-1/16"	5-3/16"
	106mm	107mm	107mm	123mm	128mm	132mm
В	3-7/16"	3-1/2"	3-5/8"	3-7/8"	3-7/8"	3-15/16"
	87.5mm	89.5mm	91.5mm	99mm	99mm	100mm
C	2-15/16"	3-1/8"	3-7/16"	4-1/4"	4-1/2"	4-7/8"
787.1	75mm	80mm	87mm	108mm	115mm	124mm
C	4-5/8"	5-3/8"	6-3/16"	6-15/16"	7-9/16"	5-5/16"
787CC.1	117mm	136mm	157mm	177mm	192mm	211mm
C	6-1/4"	6-13/16"	7-1/8"	7-15/16"	8-9/16"	9-5/8"
787PRS.1	159mm	173.5mm	181.5mm	202mm	218mm	244mm
D	5/8"	3/4"	13/16"	7/8"	15/16"	1-1/16"
787.1	16mm	19mm	21mm	22.5mm	23mm	26.5mm
D	1/2"	3/4"	15/16"	1"	1-1/8"	1-5/16"
787CC.1	13mm	19.5mm	23.8mm	25mm	28mm	34mm
D	1-9/16"	1-3/4"	1-3/4"	1-11/16"	1-7/8"	2-1/8"
787PRS.1	39.8mm	44mm	44mm	43mm	48mm	54mm
F	1-15/16"	1-15/16"	1-15/16"	1-15/16"	1-15/16"	1-15/16"
	50mm	50mm	50mm	50mm	50mm	50mm
Weight	0.84 lbs	0.97 lbs	1.18 lbs	2.12 lbs	2.47 lbs	2.98 lbs
787.1	380 g	440 g	535 g	960 g	1120 g	1350 g
Weight	1.08 lbs	1.32 lbs	1.76 lbs	2.89 lbs	3.5 lbs	4.63 lbs
787CC.1	490 g	600 g	800 g	1310 g	1590 g	2100 g
Weight	1.18 lbs	1.43 lbs	1.87 lbs	3.09 lbs	3.75 lbs	4.96 lbs
787PRS.1	535 g	650 g	850 g	1400 g	1700 g	2250 g



PRESSURE/TEMPERATURE RATINGS

Working Pressure: 290 PSI Maximum Operating Temperature: Working Limit for Fluids 14° F – 248° F Test Pressures: According to ISO 5208

CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI"

Element: Water - Temperature: 59.9° F

SIZE	CV
1/2"	2.02
3/4"	3.32
1"	4.72
1-1/4"	7.75
1-1/2"	12.03
2"	17.41



4 6 8 10 20 Flow rate - Q (GPM)

6 8 10 Q (GPM) 4 6 8 10 20 Flow rate - Q (GPM)



CIMply The Best Guarantee

Cimberio Valve guarantees every valve we manufacture to be of the highest quality workmanship and free from material defect. This guarantee extends for **seven years** from the date of purchase and applies to valves that are properly installed and maintained within our recommendations for application and service. In the event an item is found defective Cimberio Valve will replace the item **FREE** of charge as well as pay \$25.00 directly to the installing contractor for labor performed in the replacement. Complete details are available by calling our office at 877-228-9246 or visiting our website at www.cimberiovalve.com.

