

# PACKED SHUT-OFF VALVES

## Packed, Globe, Back-Seating Design

The function of a Globe Valve is to control flow or provide isolation in liquid or gas applications that may require frequent use.

### Applications

Henry Technologies' Packed Valves are used in a variety of air conditioning and refrigeration applications for isolating, flow control, charging and purging. The 203 series Globe Valves are suitable for use with HCFC and HFC refrigerants and their associated oils, as well as other industrial fluids non-corrosive to brass, steel, Teflon and synthetic rubber.

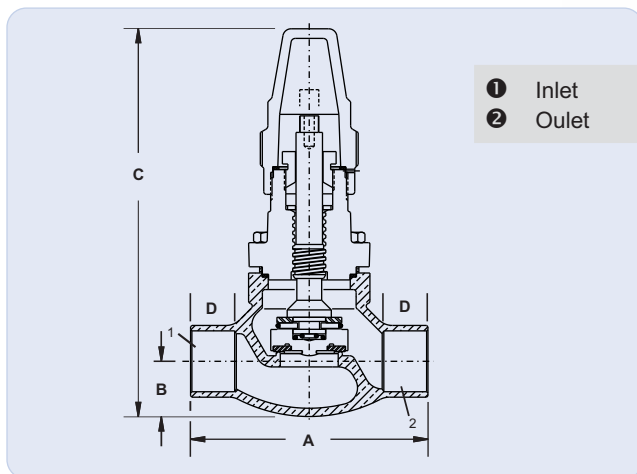
### Main Features

- Brass construction
- ODS connections
- Compact design
- Backseating stem to allow for replacing stem packing while under pressure
- Non-rotating self-aligning swivel seat disc with fully retained Teflon seat ring

### Technical Specifications

Maximum working pressure = 450 PSI (31 Bar)

Allowable operating temperature = -40°F to +275°F (-40°C to +135°C)



### Materials of Construction

The valve body and bonnet are made from bronze and brass respectively. The stem is made from stainless steel. The seat seal material is PTFE. A graphite compound is used for the packing gland. The seal cap is made from molded plastic.

### Installation - Notes

Valves must be protected from heat damage during installation. Full instructions are given in the Product Instruction Sheet, included with each valve.

	Part No	ODS (inch)	Dimensions (inch)				Weight (lbs)
			A	B	C	D	
Backseating	2030-AA	7/8	4.25	0.98	5.59	0.75	3.00
	2030-BA	1 1/8	4.88	1.14	5.87	0.94	4.70
	2031	1 3/8	5.38	1.26	8.76	1.00	7.36
	2032	1 5/8	6.50	1.50	9.94	1.13	10.43
	2033	2 1/8	8.50	2.00	10.63	1.50	16.73
	2034	2 5/8	11.00	2.25	11.94	1.69	28.18
	2035	3 1/8	112.00	2.63	13.25	1.75	44.09

# PACKED SHUT-OFF VALVES

## Packed, Globe, Back-Seating Design

The function of a Globe Valve is to control flow or provide isolation in liquid or gas applications that may require frequent use.

### Applications

Henry Technologies' Packed Valves are used in a variety of air conditioning and refrigeration applications for isolating, flow control, charging and purging. The 926 series Globe Valves are suitable for use with HCFC and HFC refrigerants and their associated oils, as well as other industrial fluids non-corrosive to brass, steel, and synthetic rubber.

### Main Features

- Brass construction
- ODS connections
- Compact design
- Backseating stem to allow for replacing stem packing while under pressure

### Technical Specifications

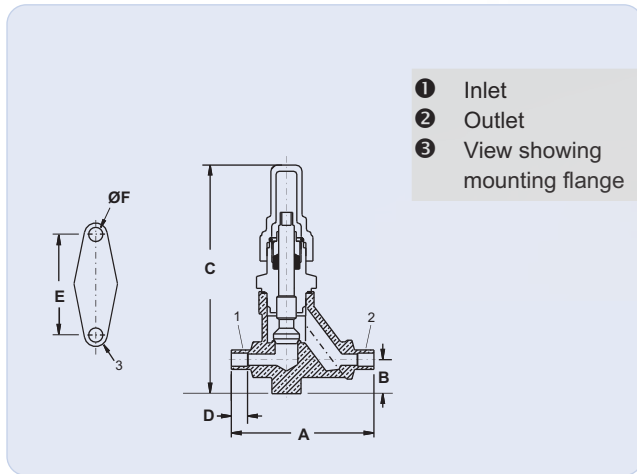
Maximum working pressure = 500 PSI (34.5 Bar)

Allowable operating temperature = -20°F to +300°F (-29°C to +149°C)

Henry Technologies' 926 series Packed Globe Valves are designed and registered for use in Canada. Please contact Technical Support at 1-800-627-5148 for CRN details and list of approved provinces and territories.

### Materials of Construction

The valve body is made from brass. The stem is made from plated steel. A metal-to-metal seat seal is used. A graphite compound is used for the packing gland. The seal cap is made from molded plastic.



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Backseating	Part No	ODS (inch)	Dimensions (inch)						Weight (lbs)
			A	B	C	D	E	ØF	
	9261	1/4	2.75	0.66	4.41	0.31	1.63	0.28	0.79
	9263	3/8	3.00	0.66	4.41	0.38	1.63	0.28	0.79
	9264	1/2	3.19	0.66	4.41	0.44	1.63	0.28	0.79
	9265	5/8	3.38	0.72	4.47	0.69	1.63	0.28	0.79

# RECEIVER VALVES

## Packed, Angle, Back-Seating Design

The function of a Receiver Valve is to isolate the inlet and outlet of the Liquid Receiver, or other system component, to allow service or maintenance. Additionally, the Back-Seating design allows the stem packing to be replaced while under pressure.

### Applications

Henry Technologies' Receiver Valves are used in a variety of air conditioning and refrigeration applications for isolating, flow control, charging and purging. The 779-B & 783 series Angle Receiver Valves are suitable for use with HCFC and HFC refrigerants and their associated oils, as well as other industrial fluids non-corrosive to brass, steel, and synthetic rubber.

### Main Features

#### 779-B series

- Brass construction
- NPT and SAE Flare connections
- Compact design
- Backseating stem to allow for replacing stem packing while under pressure
- Molded plastic seal cap

#### 783 series

- Brass construction
- ODS connections
- Compact design
- 1/4" SAE Flare port
- Backseating stem to allow for replacing stem packing while under pressure
- Molded plastic seal cap



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### Technical Specifications

Maximum working pressure = 500 PSI (34.5 Bar)

Allowable operating temperature = -20°F to +300°F (-29°C to +149°C)

Henry Technologies' 779-B and 783 series Packed Receiver Valves are designed and registered for use in Canada. Please contact Technical Support at 1-800-627-5148 for CRN details and list of approved provinces and territories.

### Materials of Construction 779-B and 783 series

The valve body is made from brass. The stem is made from plated steel. A metal-to-metal seat seal is used. A graphite compound is used for the packing gland. The seal cap is made from molded plastic.

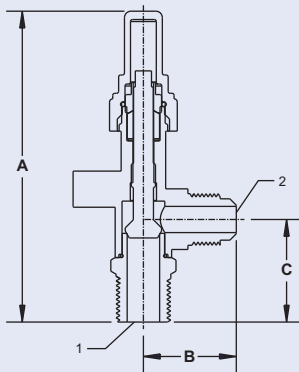


FIG 1

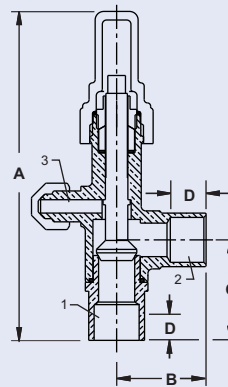


FIG 2

- ❶ Bottom Connection
- ❷ Side Connection
- ❸ 1/4 SAE Flare

	Part No	Fig No	Conn Size (inch)		Dimensions (inch)				Weight (lbs)
			Bottom	Side	A	B	C	D	
Backseating	7792-B	1	1/2 NPTF	1/2 SAE Flare	4.79	1.44	1.59	N/A	0.62
	7793-B	1	1/2 NPTF	5/8 SAE Flare	4.91	1.53	1.69	N/A	0.69
	7830	2	3/8 ODS	3/8 ODS	4.35	1.28	1.16	0.31	0.54
	7831	2	1/2 ODS	1/2 ODS	4.48	1.28	1.28	0.38	0.54
	7832	2	5/8 ODS	5/8 ODS	4.60	1.25	1.41	0.50	0.54
	7833	2	7/8 ODS	7/8 ODS	5.44	1.75	1.69	0.75	1.06
	7834	2	1 1/8 ODS	1 1/8 ODS	7.10	1.75	2.00	0.94	1.83
	7835	2	1 3/8 ODS	1 3/8 ODS	7.42	2.00	2.25	1.00	2.40
	7836	2	1 5/8 ODS	1 5/8 ODS	9.14	2.13	2.44	1.09	3.53

# RECEIVER VALVES

## Packed, Globe, Non Back-Seating Design

The function of a Receiver Valve is to isolate the inlet and outlet of the Liquid Receiver, or other system component, to allow service or maintenance.

### Applications

Henry Technologies' Packed Receiver Valves are used in a variety of air conditioning and refrigeration applications for isolating, flow control, charging and purging. The 927 series Angle Receiver Valves are suitable for use with HCFC and HFC refrigerants and their associated oils, as well as other industrial fluids non-corrosive to brass, steel, and synthetic rubber.

### Main Features

- Brass construction
- ODS bottom connections
- SAE flare side connections
- Compact design
- Molded plastic seal cap

### Technical Specifications

Maximum working pressure = 700 PSI (48.2 Bar)

Allowable operating temperature = -20°F to +300°F (-29°C to +149°C)

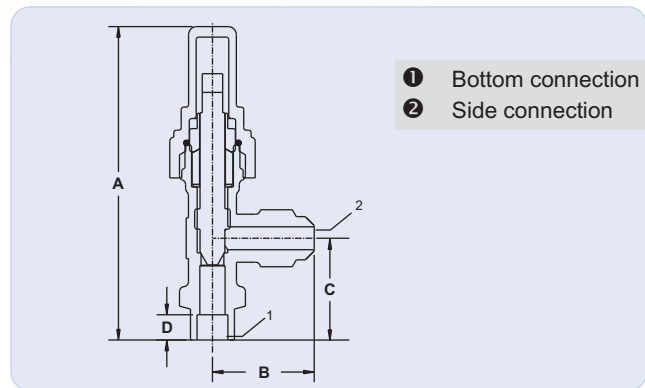
Henry Technologies' 927 Series Receiver Valves are UL and C-UL Listed by Underwriters Laboratories, Inc. Additionally, the valves are designed and registered for use in Canada. Please contact Technical Support at 1-800-627-5148 for CRN details and list of approved provinces and territories.

### Materials of Construction

The valve body is made from brass. The stem is made from plated steel. A metal-to-metal seat seal is used. A graphite compound is used for the packing gland. The seal cap is made from molded plastic.

### Installation - Notes

1. Valves ship unassembled. Stem and packing must be assembled after brazing ODS connection.
2. Full assembly instructions are given in the Product Instruction Sheet, included with each valve.



	Part No	Conn Size (inch)		Dimensions (inch)				Weight (lbs)
		Bottom	Side	A	B	C	D	
Non-backseating	9270	1/4 ODS	1/4 SAE Flare	3.85	1.25	1.25	0.31	0.33
	9271	3/8 ODS	1/4 SAE Flare	3.85	1.25	1.25	0.31	0.33
	9272	3/8 ODS	3/8 SAE Flare	3.85	1.25	1.25	0.31	0.46
	9273	1/2 ODS	1/4 SAE Flare	3.85	1.25	1.25	0.38	0.33
	9274	1/2 ODS	3/8 SAE Flare	3.85	1.25	1.25	0.38	0.46

# RECEIVER VALVES

## Packed, Globe, Non Back-Seating Design

The function of a Receiver Valve is to isolate the inlet and outlet of the Liquid Receiver, or other system component, to allow service or maintenance.

### Applications

Henry Technologies' Packed Receiver Valves are used in a variety of air conditioning and refrigeration applications for isolating, flow control, charging and purging. The 776-B and 777-B series Angle Receiver Valves are suitable for use with HCFC and HFC refrigerants and their associated oils, as well as other industrial fluids non-corrosive to brass, steel, and synthetic rubber.

### Main Features

- Brass construction
- ODS and NPT bottom connections
- SAE Flare or NPT side connections
- Compact design
- Molded plastic seal cap

### Technical Specifications

Maximum working pressure = 500 PSI (34.5 Bar)

Allowable operating temperature = -20°F to +300°F (-29°C to +149°C)

Henry Technologies' Packed Receiver Valves are designed and registered for use in Canada. Please contact Technical Support at 1-800-627-5148 for CRN details and list of approved provinces and territories.

### Materials of Construction

The valve body is made from brass. The stem is made from plated steel. A metal-to-metal seat seal is used. A graphite compound is used for the packing gland. The seal cap is made from molded plastic.



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- ❶ Bottom Connection
- ❷ Side Connection

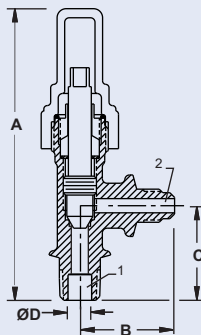


FIG 1

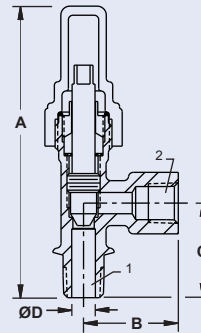


FIG 2

	Part No	Fig No	Conn Size (inch)		Dimensions (inch)				Weight (lbs)
			Bottom	Side	A	B	C	ØD	
Non-backseating	7761-B	1	1/4 NPTF / 1/4 ODS	1/4 SAE Flare	3.85	1.25	1.25	0.31	0.35
	7771-B	2	1/4 NPTF / 5/16 ODS	1/4 NPTF	3.85	1.25	1.25	0.31	0.35
	7763-B	1	1/4 NPTF / 5/16 ODS	3/8 SAE Flare	3.85	1.25	1.25	0.31	0.35
	7764-B	1	3/8 NPTF / 3/8 ODS	1/4 SAE Flare	3.85	1.25	1.25	0.31	0.35
	7766-B	1	3/8 NPTF / 3/8 ODS	3/8 SAE Flare	3.85	1.25	1.25	0.31	0.35
	7767-B	1	3/8 NPTF / 3/8 ODS	1/2 SAE Flare	3.85	1.25	1.25	0.31	0.40
	7768-AB	1	1/2 NPTF / 1/2 ODS	3/8 SAE Flare	3.88	1.31	1.38	0.38	0.59
	7768-B	1	1/2 NPTF / 1/2 ODS	5/8 SAE Flare	3.88	1.63	1.38	0.38	0.91

# SWIVEL VALVES

## Angle Type

The function of a Swivel Valve is to provide a point of isolation for servicing within a refrigeration or oil circuit.

### Applications

This valve type mounts to a male flare by means of a swivel nut. The valve can be orientated in any direction for easy connection. Henry Technologies' Swivel Valves are suitable for use with HCFC and HFC refrigerants and their associated oils, as well as other industrial fluids non-corrosive to brass, copper and synthetic rubber.

### Main Features

- Swivel base connection allows for 360° swivel of side flare connection
- SAE flare connections
- Seal cap design

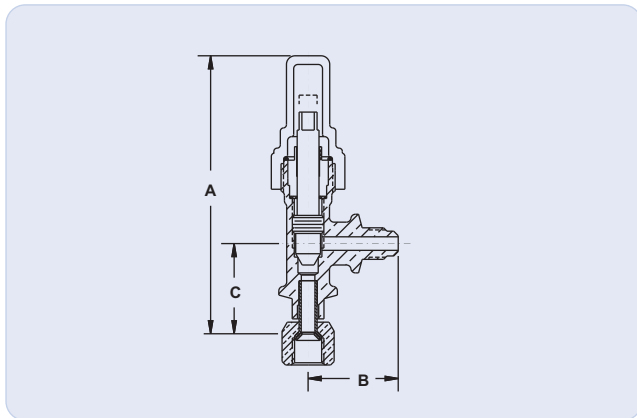
### Technical Specifications

Maximum allowable working pressure = 500 PSI (34.5 Bar)

Allowable operating temperature = -20°F to +300°F (-29°C to +149°C)

### Materials of Construction

The valve body is made from forged brass. The stem is made from plated steel. The cap is made from molded plastic. The swivel flare is brass and the inlet swivel tube is copper.



Part No	Conn Size (inch)		Dimensions (inch)			Weight (lbs)
	Side	Bottom	A	B	C	
9240	1/4 SAE Male Flare	1/4 SAE Female Flare	3.85	1.25	1.25	0.30
9241	3/8 SAE Male Flare	3/8 SAE Female Flare	3.85	1.25	1.25	0.44

# SHUT-OFF VALVES

## Forged Steel, Non Back-Seating Design

The function of a Forged Steel Shut-Off valve is to provide an isolation or connection point in liquid and gas applications where brass valves are not compatible or do not meet the pressure requirements.

### Applications

Henry Technologies' Shut-Off Valves are used in a variety of air conditioning and refrigeration applications for isolating, flow control, charging and purging. The 776 and 777 series Shut-Off Valves are suitable for use with ammonia, HCFC and HFC refrigerants and their associated oils, as well as other industrial fluids non-corrosive to steel and synthetic rubber.

### Main Features

- Forged steel construction
- NPT bottom connections
- SAE Flare and NPT side connections
- Compact design
- Molded plastic seal cap

### Technical Specifications

Maximum working pressure = 1000 PSI (68.9 Bar)

Allowable operating temperature = -20°F to +300°F (-29°C to +149°C)

### Materials of Construction

The valve body is made from forged steel. The stem is made from plated steel. A metal-to-metal seat seal is used. A graphite compound is used for the packing gland. The seal cap is made from molded plastic.

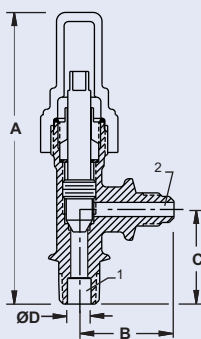


FIG 1

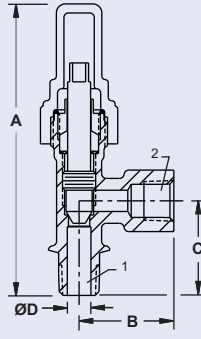


FIG 2

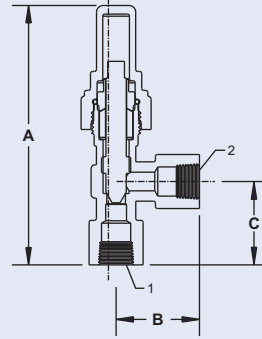


FIG 3

- ① Bottom Connection
- ② Side Connection

	Part No	Figure No	Conn Size (inch)		Dimensions (inch)			Weight (lbs)	
			Bottom	Side	A	B	C		Ø D
Non-backseating	7761	1	1/4 NPTF	1/4 SAE Flare	3.85	1.25	1.25	0.31	0.31
	7771	2	1/4 NPTF	1/4 NPTF	3.85	1.25	1.25	0.31	0.33
	7771E	2	1/4 NPTF	1/4 NPTF	7.48	1.25	4.88	0.31	0.36
	7772	3	1/4 NPTF	1/4 NPTF	3.85	1.25	1.25	N/A	0.33
	7773	2	3/8 NPTF	3/8 NPTF	4.29	1.50	1.73	0.41	0.84
	7774	3	3/8 NPTF	1/2 NPTF	4.29	1.50	1.73	N/A	0.84
	7775	2	1/2 NPTF	3/8 NPTF	4.29	1.50	1.73	0.47	0.86

# INDUSTRIAL SHUT-OFF VALVES

## Screw-End Threaded Valve

The main functions of the Shut-Off Valve are to start or stop fluid within the particular circuit it is installed.

### Applications

The Henry Technologies' range of Globe and Angle Shut-Off Valves is used for isolation purposes, primarily within ammonia refrigeration systems. The threaded end series are a lower cost option to manually control flow in a pipe. Henry Technologies' Shut-Off Valves are suitable for use with ammonia, HCFC and HFC refrigerants and their associated oils, as well as other industrial fluids non-corrosive to ductile iron, steel, Teflon and synthetic rubber.

### Main Features

- Non-rotating self-aligning swivel seat disc with fully retained Teflon seat ring
- Lower cost than flanged designs
- Backseating stem to allow for replacing stem packing while under pressure
- Protective painted finish
- Valve bonnets threaded to accept Henry Seal Cap

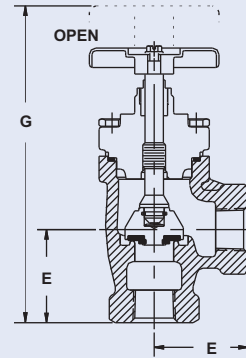
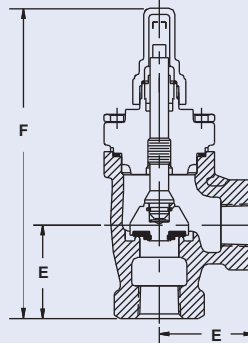
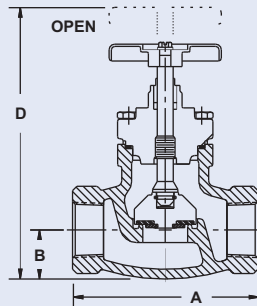
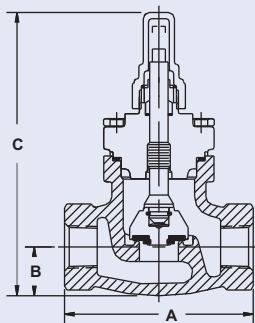
### Technical Specifications

Maximum cold working pressure = 400 PSI (27.6 Bar)

Allowable operating temperature = -20°F to +275°F (-29°C to +135°C)

### Materials of Construction

The valve body is made from ductile iron. The valve bonnet is made from ductile iron. The seal caps are molded plastic. The stem is made from stainless steel and is adaptive for hand-wheel mounting.



FPT (inch)	Part No				Dimensions (inch)							Weight (lbs)	
	Globe Seal Cap	Angle Seal Cap	Globe Hand Wheel	Angle Hand Wheel	A	B	C	D	E	F	G	Globe	Angle
3/8	N/A	N/A	310G	N/A	3.63	0.94	N/A	5.44	N/A	N/A	N/A	2.0	N/A
1/2	C320G	C370G	320G	370G	3.63	0.94	5.46	5.44	1.81	5.94	5.97	2.5	2.0
3/4	C330G	C380G	330G	380G	3.63	0.94	5.46	5.44	1.81	5.94	5.97	2.5	2.0
1	C340G	C390G	340G	390G	4.13	1.09	5.76	5.74	1.81	6.02	6.05	3.5	2.5