



# DATA SUBMITTAL

## intaKlean Multifunction Magnetic Dirt Separator Filter

Date: 5/2020

Models: IK203, IK210, IK211

Job Name: _____	Submitted By: _____	Date: _____
Job Location: _____	Approved By: _____	Date: _____
_____	Order No.: _____	Date: _____
Engineer: _____	Notes: _____	
Contractor: _____	_____	
Sales Rep.: _____	_____	

### Description

The Zilmet intaKlean Multifunction Magnetic Dirt Separator Filter effectively collects all the impurities present in a hydronic circuit and prevents them from circulating within. All magnetic contaminants (ferrous residue/magnetite) and non-magnetic (algae, sludge, sand, etc) are easily removed by simply opening the drain plug. The device protects the boiler continuously, avoiding wear and damage of all system components.

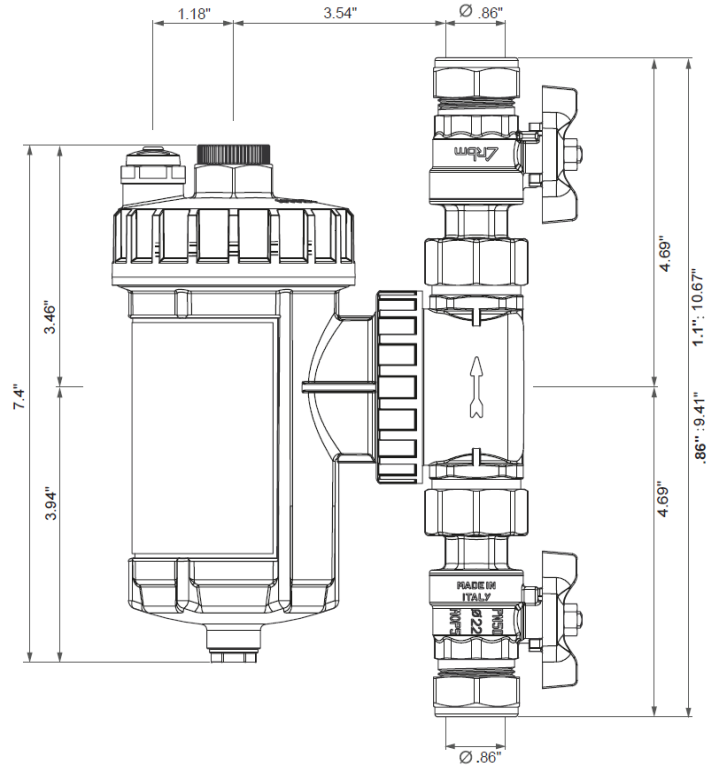
- Can be mounted in any orientation with fully rotatable housing
- Easy to service with dual isolation valves
- Manual air vent
- Removable 12,000 gauss neodymium dry magnet
- Dual stainless steel mesh filters
- 16.6 ounce housing for dosing

### Connections:

- IK203: ¾" NPT
- IK210: 1" NPT
- IK211: 1-1/4" NPT

### Performance Conditions

- Max Design Temperature: 230°F
- Max Operating Pressure: 150 PSIG
- Glycol up to 50% mix





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### TO SIZE A ZILMET INTAKLEAN MAGNETIC FILTER:

- Find the Maximum Flow Rate for your system at the top of the table
- Go down column; choose desired Pressure Drop in highlighted section
- Go left to identify the proper Connection Size and Model Number

TABLE of PRESSURE DROP (PSI)

Mod No.	Connection Size		Maximum System Flow Rate (GPM)						
			2.5	5	10	15	20	25	30
IK203	3/4	FNPT	0.1	0.4	1.7	3.8	6.4	10.0	14.5
IK210	1	FNPT	0.1	0.3	1.3	3.0	5.3	8.2	12.0
IK211	1-1/4	FNPT	0.1	0.3	1.2	2.7	4.8	7.2	10.6

The highlighted areas denote the acceptable magnetic filter selection for flow rates and pipe size at a velocity of 4 fps in accordance with the ASHRAE Recommended Maximum GPM

