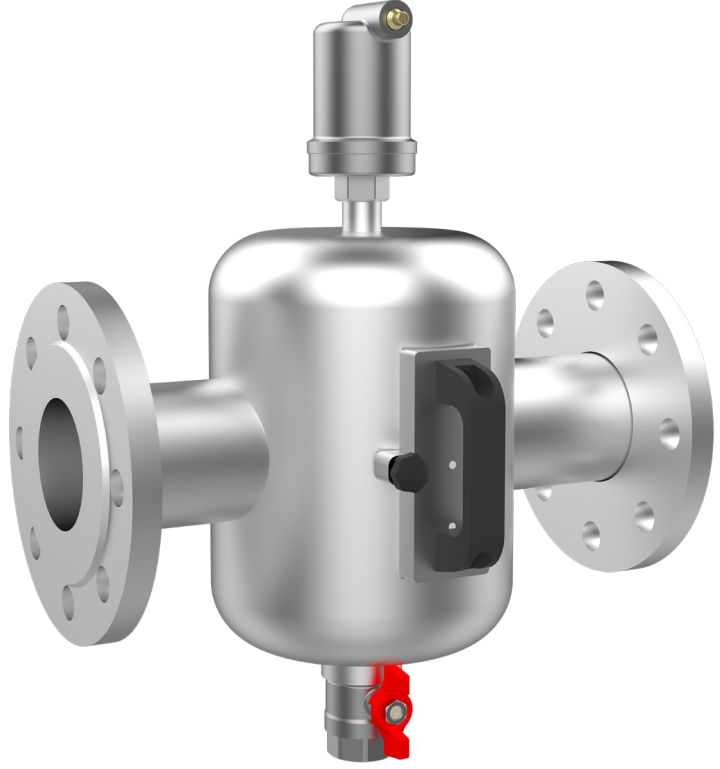


V-FORCE



V-Force (Horizontal) INSTALLATION & OPERATION INSTRUCTIONS

📍 Metal İş Sanayi Sitesi 11.Blok No:37/39
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☎ 0212 549 57 70

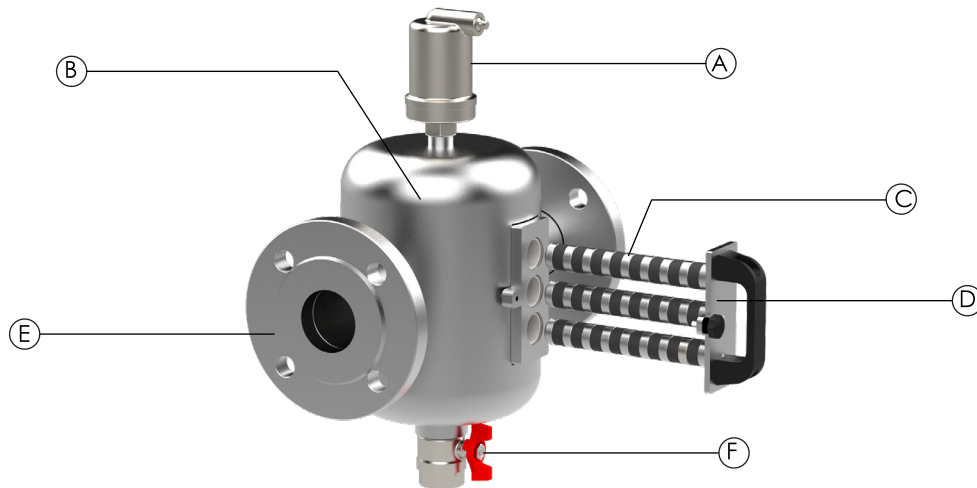
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ENG

System Construction



A	Automatic Air Vent
B	Body
C	Magnets
D	Magnet Rod Flange
E	Connection Flange
F	Ball Valve

	VF-Y DN50	VF-Y DN65	VF-Y DN80	VF-Y DN100	VF-Y DN125	VF-Y DN150	VF-Y DN200	VF-Y DN250	VF-Y DN300
Dry weight (kg)	12	13	15	16	33	36	43	55	75
Inlet Size (mm)	60,3	76,1	88,9	114,3	140	168,3	219,1	273	323,9
Number of Magnets	24	24	24	24	64	64	64	80	100
Volume (Litres)	6	6	7	7	40	40	42	47	80

Dimensions

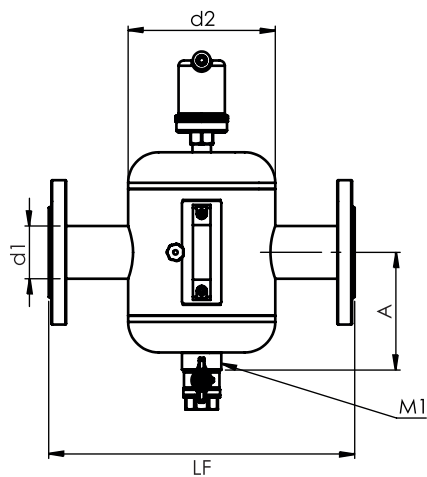


Figure 1

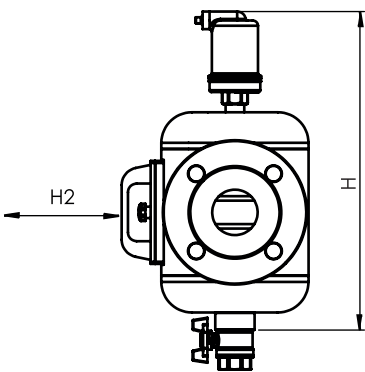
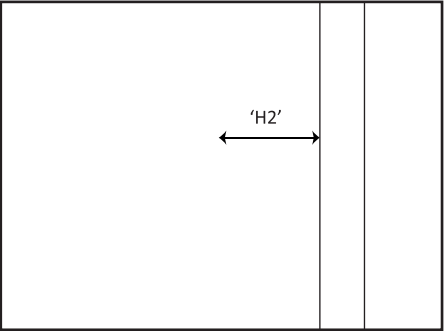


Figure 2

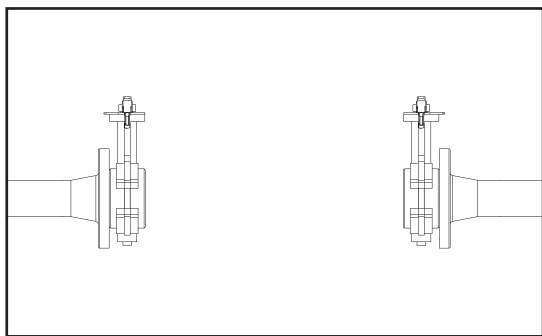
Model	d1	d2	LF	H	A	M1	H2
VF-Y DN50	60,3	168,3	350	372	135	1''	200
VF-Y DN65	76,1	168,3	350	372	135	1''	200
VF-Y DN80	88,9	168,3	350	392	142	1''	200
VF-Y DN100	114,3	168,3	350	392	142	1''	200
VF-Y DN125	140	323,9	580	526	213	2''	350
VF-Y DN150	168,3	323,9	580	526	213	2''	350
VF-Y DN200	219,1	323,9	580	606	253	2''	350
VF-Y DN250	273	323,9	620	646	273	2''	350
VF-Y DN300	323,9	400	720	755	327	2''	420

1.



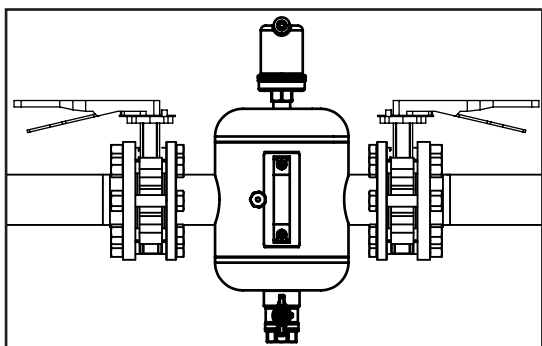
Identify a suitable location for installation, typically on the main heating or chilled return circuit. Refer to measurement 'H2' in the measurements table on page 2 to identify the amount of clearance required to service the filter being installed. Where possible, ensure there is a minimum of 500 mm clearance all around the filter to allow for easy access when servicing.

2.



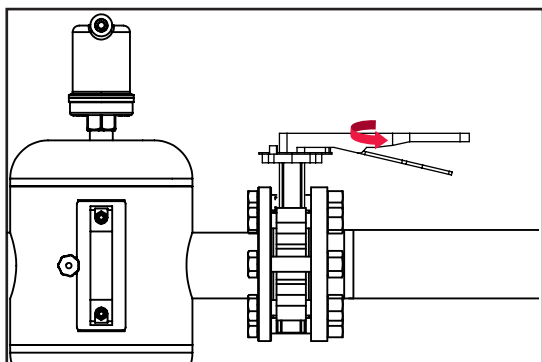
Refer to Measurement 'LF' in the measurements table on page 2 to identify the correct length of pipework to be removed for the filter size being fitted. Mark and then cut the correct length of pipe section to be removed to accommodate the filter unit, isolation valves and flange gaskets. Ensure the pipe cut is level and burr-free. Refer to Fig.1 & Fig.2 on page 2 to identify the flange dimension and specification for the filter being installed and install appropriate PN16 flanges & isolation valves.

3.



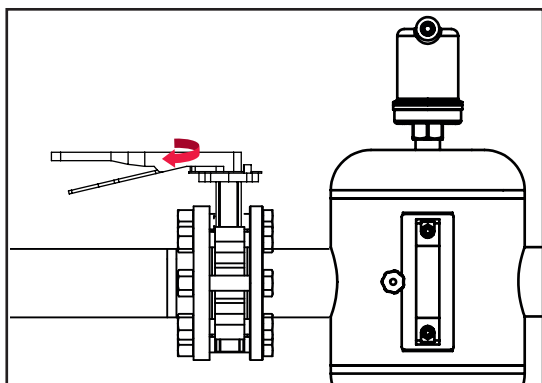
Carefully position the V-Force filter in place and then align and secure the fittings to connect the unit securely to the isolation valves.

4.



Open the isolation valve farthest away from the manual air vent

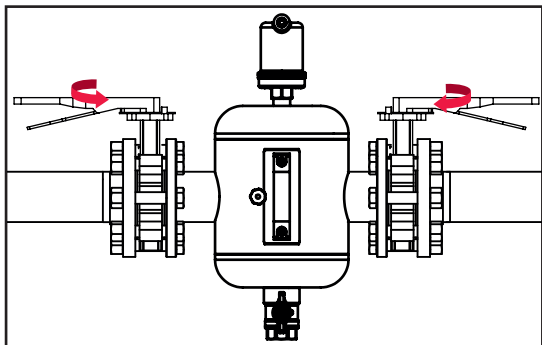
5.



Open the other isolation valve and turn on the heating or chilled system.

Run the system at normal operating parameters and check filter installation integrity.

1.

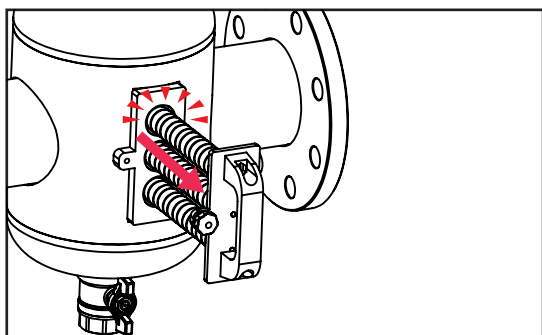


Isolate the heating or chilled system prior to commencing any servicing or maintenance activity.

- Close the filter isolation valves.

Please ensure any excess water spill is removed from the filter lid to prevent the magnets from getting wet and to remove the potential for water to enter the magnet dry pockets during servicing.

2.

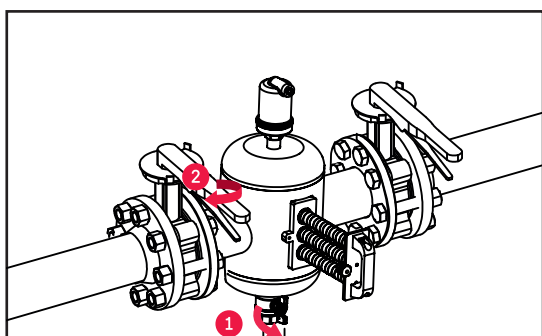


- Lift the magnet until it 'clicks' into its service position.

CAUTION: These magnets are very strong. During this operation, do not completely remove the magnets from the filter lid. Should an entire magnet be removed by mistake, please be aware of the potential for finger/hand trap between magnet assemblies which could result in personal injury.

IMPORTANT: During servicing, magnets must be kept dry at all times. Water should not be allowed to enter the filter lid dry pockets where the magnets are housed under any circumstances.

3.

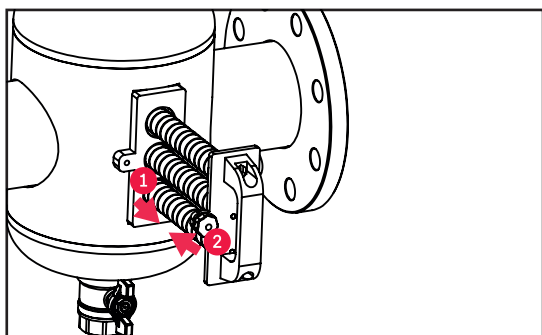


1. Open the drain valve or remove the drain plug.

2. Slowly open the **INLET** isolation valve by a quarter turn to purge the filter housing of magnetic debris. **DO NOT OPEN FULLY. DO NOT OPEN BOTH VALVES WHILST THE DRAIN PORT IS OPEN.**

Once the draining water starts to run clear, turn off the inlet isolation valve and allow the filter housing to fully drain. Close the drain valve or replace the drain plug.

4.

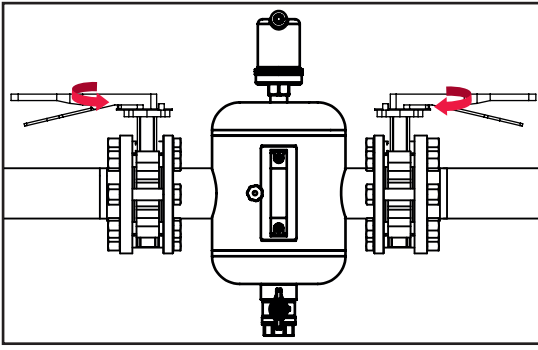


Once the filter has been cleaned, each magnet assembly must be moved back into 'operational mode' by pushing them back into the dry magnet pockets.

1. Loosen the screw handle and pull out the magnet assembly.
2. Slowly begin to push the magnet assembly forward.

Repeat this procedure for each magnet assembly.

5.



- Open both isolation valves and turn on the heating or chilled system.

Ensure any excess water spill is removed from the filter lid. The automatic air vent system has been activated, ensuring complete evacuation of air from within the filter.

To ensure that the filter lid is re-installed to the original factory settings, please refer to page 4 of this booklet for a step-by-step guide explaining how to re-install the filter lid.

If any seals are lost or appear damaged, please contact ViRA Customer Services in the TR on +90 212 549 57 70 to order replacement seals immediately.

The manufacturer reserves the right to make change without prior notification.

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