

ScreenGuard™ Manual “T” Screen Filters

Installation, Operation & Maintenance Instructions



Netafim 2” and 3” plastic T screen filters are design to operate as both primary and secondary filter unit’s dependent on the applications. The filters are available with multiple screen area and connection type to address any application needs. The filter body is made from durable plastic material for extra strength and longevity.

Installation

- Use Teflon tape on filter body inlet & outlet threads -do not use pipe dope
- Ensure correct water flow direction (as per arrow marking on filter)
- Flanged configuration includes anti rotation mechanism to allow installing at any required angle. When using flange - align filter position (angle) before tightening the bolts
- **DO NOT ROTATE FILTER AFTER BOLTS ARE IN PLACE**
- Assemble drain valve on the filter cover (O-ring included)
- Ensure adequate space for operation and maintenance of the filter (See dimensional drawings)
- Tighten cap (H) to the filter body (A) based on the installation type (“T”) or (“L”)
- Manual filters are equipped with two quick connection pressure checkpoints (F), and one pressure measuring connector (G)

How to Check Filter Status

- Assemble the connector (G) to the pressure gauge
- Insert the connector (G) into the pressure check point (F) by aligning the ribs with the slots and then pushing it inside and rotating the gauge ¼ of a turn clockwise
- To pull the gauge out, push the gauge in and rotate it ¼ of a turn back
- The filter should be cleaned when the pressure differential between the inlet and outlet reach 7 psi

Dismantling the Filter

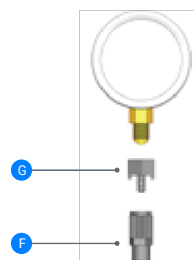
- Turn off the water to the filter
- Open the drain valve (D) to release any remaining pressure
- Open filter body clamp (B) and remove filter cover (C) from filter body (A)
- Pull out screen element (E) from filter body (A)

Cleaning and Maintaining

- Use pressure hose to thoroughly clean screen element
- If needed, use soft nylon brush to help with cleaning of the screen
- Do not use any abrasive tools
- Make sure that the body and screen O rings are lubricated

Re-Assembly

- Ensure the screen element (E) is clean and that both O-rings are in place
- Place the screen element (E) into filter body (A)
- Replace filter cover (C) and gently push them into place
- Lock with filter body clamp (B) using the clamp lever
- Close drain valve (D)
- Open the water gradually, to avoid water hammers

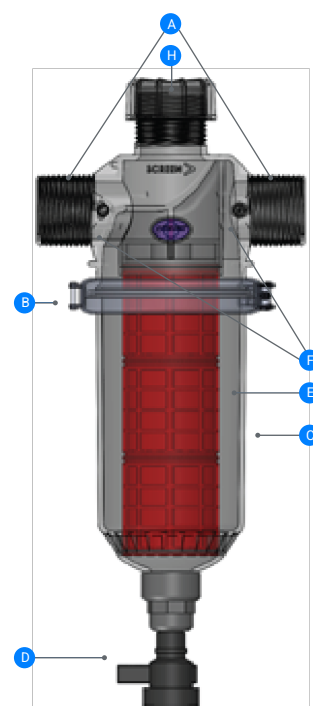


WARNINGS

Do not open the filter under pressure

During winter season, drain the filter to avoid freezing damage

Do not backflow water through the filter



Technical Data

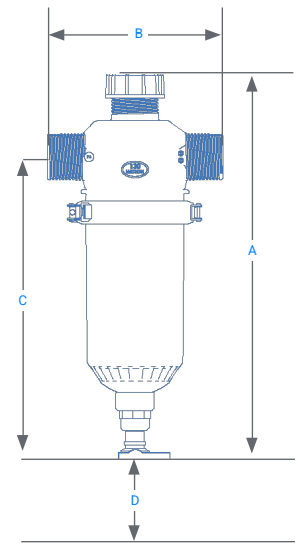
	2"			3"	
	MINI	REGULAR	JUMBO	REGULAR	JUMBO
MAX WORKING PRESSURE (psi)	145				
MAX RECOMMENDED FLOW (gpm)*	66	88	110	110	132
FILTRATION SURFACE AREA (in²)	126	188	250	188	250
CONNECTION TYPES	NPT			NPT/GRV/FLG	
DRAIN VALVE DIAMETER (in)	3/4"				

* Maximum flow rate depends on water quality.

	A (In)	B (In)		D** (In)	WEIGHT (lbs)	
		NPT/GRV	UNF*			
2" MINI	23.6			17.7	8.9	11.0
2" REGULAR	28.7		-	22.4	13.8	13.2
2" JUMBO	33.5	13.2		27.2	18.3	14.3
3" REGULAR	28.7		13.4	22.4	13.8	13.2
3" JUMBO	33.5			27.2	18.3	14.3

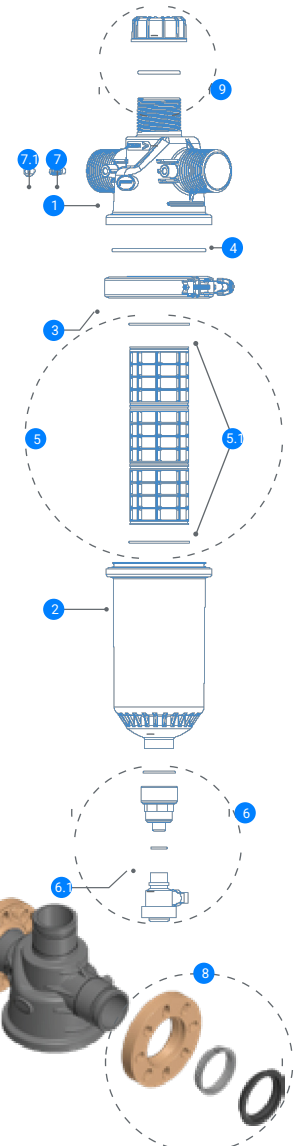
* Flange Thickness = 1.38 inch

** Distance required to open the filter

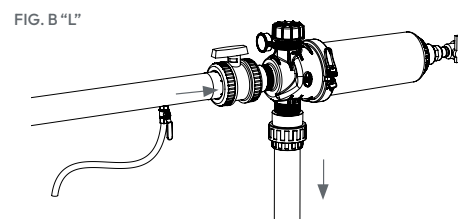
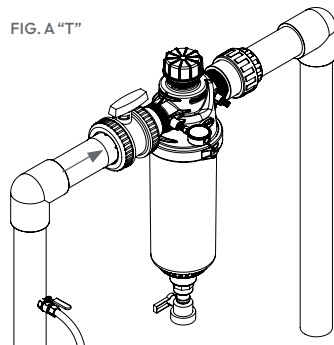


Part List

#	DESCRIPTION	2" MINI	2" REGULAR	2" JUMBO	3" REGULAR	3" JUMBO
1	FILTER BODY NPT	71975-000120	71975-000120	71975-000120	71975-000121	71975-000121
	FILTER BODY VIC/BSPT	-	-	-	71975-000251	71975-000251
2	FILTER COVER	71975-000101	71975-000401	71975-000402	71975-000401	71975-000402
3	FILTER CLAMP	71975-000480	71975-000480	71975-000480	71975-000480	71975-000480
4	FILTER COVER O-RING	71975-000260	71975-000260	71975-000260	71975-000260	71975-000260
4+5.1	FILTER MAIN O-RING KIT	71975-000463	71975-000463	71975-000463	71975-000463	71975-000463
5	FINE SCREEN 200 MESH	-	71975-000580	71975-000590	71975-000580	71975-000590
	FINE SCREEN 150 MESH	71975-000380	71975-000383	71975-000386	71975-000383	71975-000386
	FINE SCREEN 120 MESH	71975-000381	71975-000384	71975-000387	71975-000384	71975-000387
	FINE SCREEN 80 MESH	71975-000382	71975-000385	71975-000388	71975-000385	71975-000388
	FINE SCREEN 50 MESH	-	71975-000581	71975-000591	71975-000581	71975-000591
	FINE SCREEN 35 MESH	-	71975-000022	71975-000592	71975-000022	71975-000592
6	FILTER DRAIN KIT	71975-000390	71975-000390	71975-000390	71975-000390	71975-000390
6.1	FILTER DRAIN VALVE	77450 000100	77450 000100	77450 000100	77450 000100	77450 000100
7	PRESSURE CHECK POINT	74100-003000	74100-003000	74100-003000	74100-003000	74100-003000
7.1	PRESSURE NEEDLE	74100-003001	74100-003001	74100-003001	74100-003001	74100-003001
8	3" UNIVERSAL FLANGE KIT	-	-	-	71975-000440	71975-000440
9	FILTER CAP + O-RING NPT	71975-000396	71975-000396	71975-000396	71975-000398	71975-000398



Typical Installation



Mesh	Micron	Color
200	80	White
150	100	Black
120	130	Red
80	200	Yellow
50	300	Blue
35	500	Green