

ASF Lined Strainer

Flow Characteristics

The flow path through the filter insert is a larger area than the original pipe cross-section. This minimizes possible pressure loss.

Corrosion Resistant Filter Insert

The insert consists of two perforated PTFE cylinders with an ETFE filter screen in between. This design offers the same outstanding corrosion resistant properties as the FEP or PFA lining material. Standard mesh is 60 (300 micron).

Optional mesh: 169 (100 micron); 35 (500 micron); 19 (1,000 micron). Other mesh openings on request.

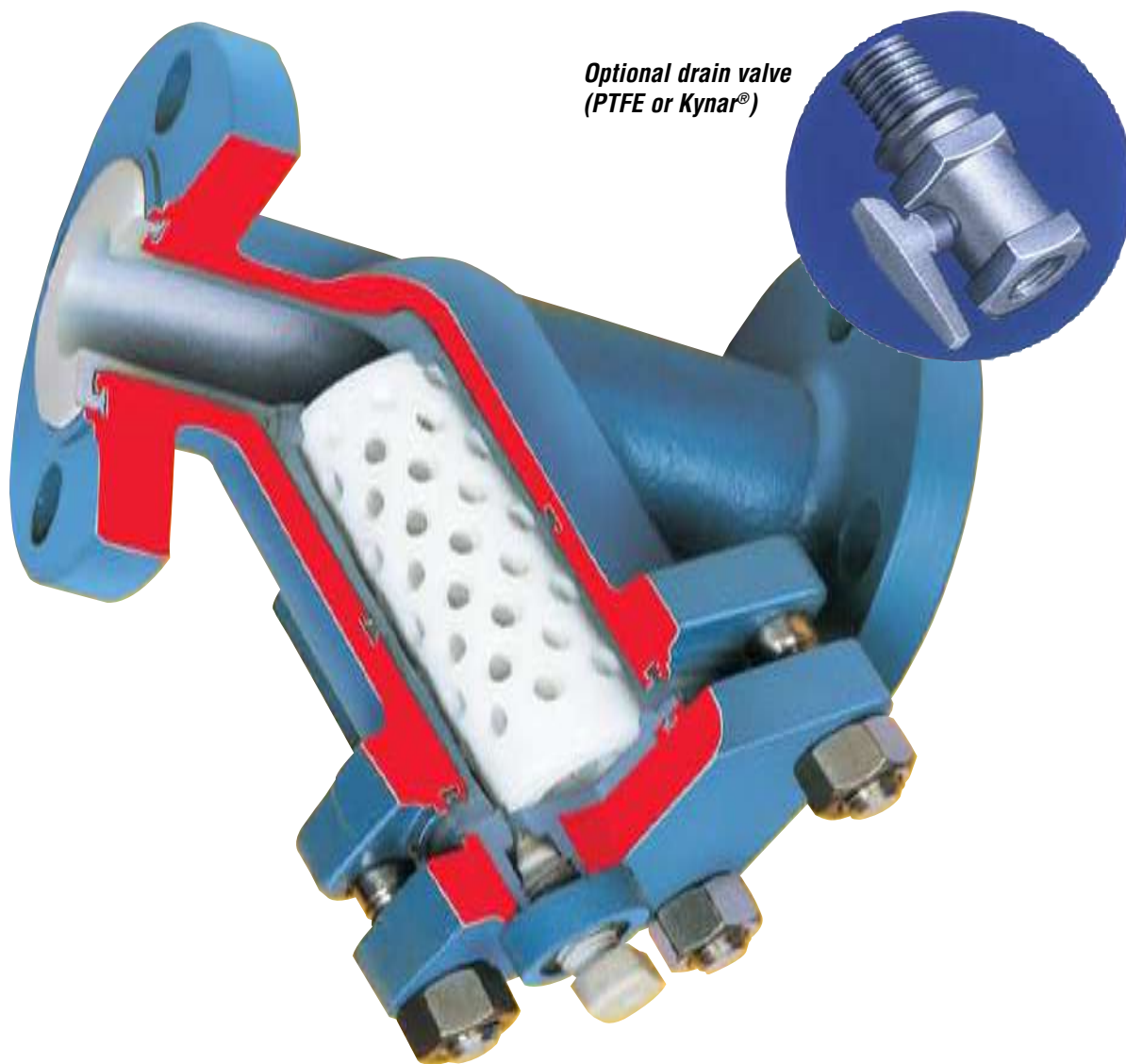
Easy Servicing and Maintenance

The filter insert can be changed or easily cleaned without removing the strainer from the line.

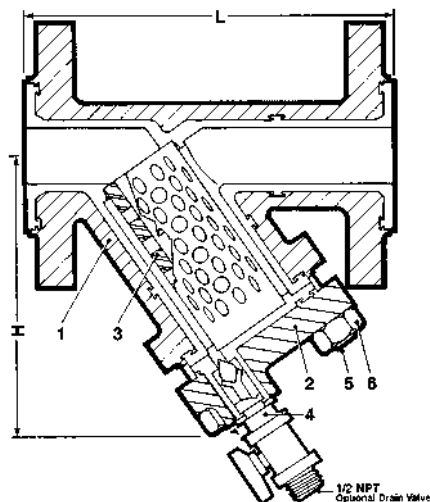
For added operator safety and convenience, an optional ball valve may be specified in place of the PTFE plug. The residual fluid in the insert area can be removed by means of the PTFE drain plug. This can be done prior to removing the access flange when changing or cleaning the filter.

See page 14 for technical data.

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ASF Strainer



Dimensions/Weights

Size in (mm)	L in (mm)		H in (mm)	Weight lbs (kgs)	
	ASME	DIN		ASME	DIN
1 (25)	6½ (165)	6¾ (160)	5 (125)	10.8 (4.9)	10.6 (4.8)
1½ (40)	—	7¾ (200)	5¾ (150)	—	20.1 (9.1)
2 (50)	9 (228.6)	9¼ (230)	6½ (165)	27.3 (12.4)	26.9 (12.2)
3 (80)	12½ (317.5)	12¾ (310)	11 (280)	61.7 (28.0)	59.5 (27.0)
4 (100)	14½ (368)	13¾ (350)	12 (305)	82.7 (37.5)	75.4 (34.2)
6 (150*)	18½ (470)	18½ (470)	16¾ (409)	198.4 (90.0)	198.4 (90)
8** (200)	23¾ (600)	23¾ (600)	23¼ (595)	462.8 (210.0)	462.8 (210.0)

*Face to Face Dimensions acc. to ANSI B16.10. **Face to Face Dimensions acc. to DIN EN558-1.

Material Specification

Item	Qty.	Designation	ASTM	DIN
1	1	body	Ductile Iron/FEP A395	GGG-40.3
			Ductile Iron/PFA A395	GGG-40.3
2	1	flange	Ductile Iron ASTM A395	GGG-40.3
3	1	filter	PTFE/ETFE	PTFE/ETFE
4	1	plug	PTFE	PTFE
5	4-8	stud fastener	ASTM A193 B7YC	1.4301 DIN17440
6	4-8	hexagon nut	ASTM A194 7YC	1.4301 DIN17440

Flow Rates

Size in (mm)	Filter in µm C _v (K _v) 100	Filter in µm C _v (K _v) 300	Filter in µm C _v (K _v) 500	Filter in µm C _v (K _v) 1000
1 (25)	8.1 (7.0)	8.3 (7.1)	8.4 (7.2)	9.2 (7.9)
1½ (40)	21.9 (18.8)	24.8 (21.3)	27.4 (23.6)	28.0 (24.1)
2 (50)	34.4 (29.6)	36.1 (31.1)	37.5 (32.3)	41.4 (35.4)
3 (80)	91.1 (78.4)	97.4 (83.8)	105.1 (90.4)	109.4 (94.1)
4 (100)	152.7 (131.4)	163.0 (140.2)	172.8 (148.7)	178.2 (153.3)
6 (150)	333.7 (287.1)	356.0 (306.3)	389.6 (335.2)	405.5 (348.9)
8 (200)	544.0 (468.0)	556.7 (479.0)	576* (495*)	596.3 (513.0)

*Estimated Value

C_v = US gal/min at 1 psi Δp (K_v = m³/hr at 1 bar Δp). Flow rates for other mesh sizes available upon request.