PN 16 FLANGED Y TYPE STRAINER (FAF 2500)

PRODUCT FEATURES

- Body and cover, GG 25 Cast Iron.
- Filter, 20 Mesh, SAE-304 Stainless Steel.
- Valve mounting dimensions conform to DIN 3202 F1.
- Flanges are according to ISO 7005-2.

* Filters with different mesh values are used according to customer requests.

APPLICATIONS

Steam, natural gas, cold water, hot water and pressurized hot water installations, fluids without acidic or alkaline properties, LPG, chemical fluids, compressed air etc.

TEMPERATURE

Max +200˚C 392˚F

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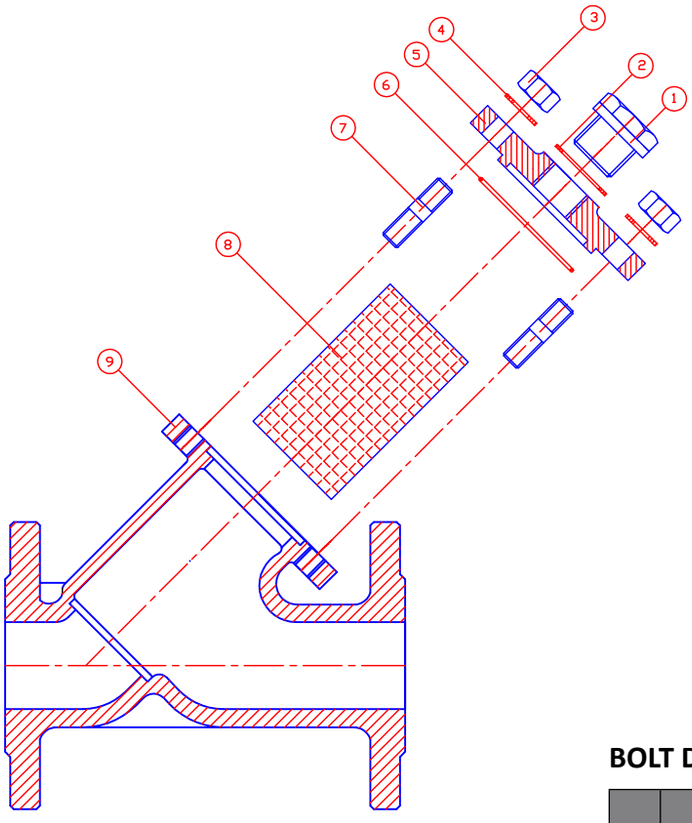
TECHNICAL DRAWING AND MATERIALS



PARTS AND MATERIALS

1. Bolt / DIN933
2. Teflon O-ring / PTFE
3. Discharge Hole Tap / MS58 Brass
4. Washer / Steel
5. Cover / GG25 Cast Iron
6. Seal / Graphite
7. Filter / SAE-304 Stainless Steel
8. Body / GG25 Cast Iron

MATERIAL PROPERTIES

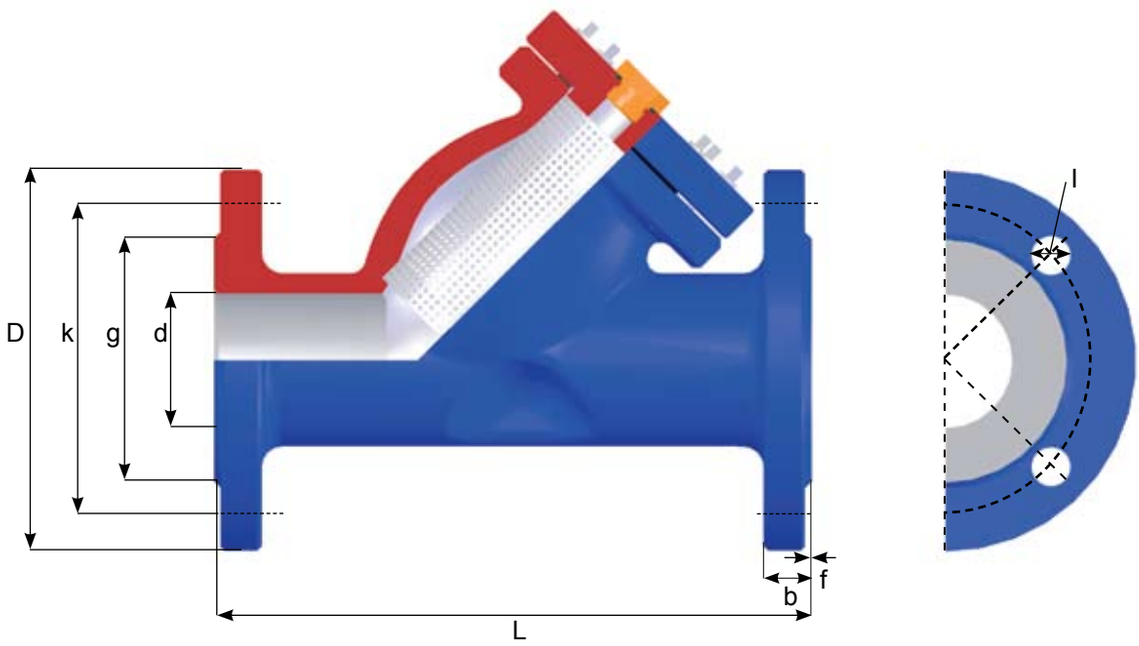
MATERIAL TYPE	MATERIAL PROPERTY
GG 25 Cast Iron	Tensile strength = 250-350 N/mm2 Hardness = Max. 250 Brinell (BHN)
GGG 40 Ductile Iron	Tensile strength = 400-550 N/mm2 Hardness = 135 - 185 Brinell (BHN)
Stainless Steel DIN 1-4086	C = 0.9 – 1.3 Si Max =2 Mn Max.= 1 Cr = 27 - 30
Stainless Steel SAE-304	C max = 0.08 Si Max.=1 Mn Max.=2 Cr = 18–20 Ni = 8 – 10.5
Stainless Steel SAE-316	C max = 0.08 Si Max.=1 Mn Max.=2 Cr = 16-18 Ni = 10– 14
PTFE	Density= 2.13-2.23 gr/cm3 Tensile strength = 250-300 kg/cm2 Operating Temperature =-85°C / +200°C 392˚F
PTFE (25 % Carbon)	Density= 2.1-2.2 gr/cm3 T ensile strength = 165-170 kg/cm2
Graphitic Ring	Graphite purity = %98 Density= min.1.6 gr/cm3
St 37	C = < = 0.2 P Max.= 0.06 S Max.= 0.05 Tensile strength = 360-440 N/mm2
Steel (C1030)	C = 0.30 P Max.= 0.06 S Max.= 0.06 Tensile strength = 490 N/mm2

BOLT DIMENSIONS

DN	BOLT		NUT QUANTITY	TIGHTENING TORQUE (Kgm)	WRENCH OPENING (mm)
	DIMENSIONS	QUANTITY			
15	M 12 X 45	4 X 2	4 X 2	7	18
20	M 12 X 45	4 X 2	4 X 2	7	18
25	M 12 X 45	4 X 2	4 X 2	7	18
32	M 16 X 50	4 X 2	4 X 2	16	24
40	M 16 X 50	4 X 2	4 X 2	16	24
50	M 16 X 55	4 X 2	4 X 2	16	24
65	M 16 X 55	4 X 2	4 X 2	16	24
80	M 16 X 60	8 X 2	8 X 2	16	24
100	M 16 X 60	8 X 2	8 X 2	16	24
125	M 16 X 60	8 X 2	8 X 2	16	24
150	M 20 X 70	8 X 2	8 X 2	22.5	30
200	M 20 X 80	12 X 2	12 X 2	22.5	30
250	M 20 X 85	12 X 2	12 X 2	38	36
300	M 24 X 85	12 X 2	12 X 2	38	36
350	M 24 X 100	16 X 2	16 X 2	38	36
400	M 27 X 100	16 X 2	16 X 2	105	41

Note: Dimensions according to standard flanges

DIMENSIONS AND PRODUCT DATA



FAF 2500

PN 16 FLANGED Y TYPE STRAINER

DN	DIMENSIONS									PRODUCT DATA	
mm	**L**	**d**	**g**	**k**	**D**	**l**	**b**	**f**	**Number of Holes**	**KV M3/H**	**Weight Kg**
15	130	15	46	65	95	14	14	2	4	3.00	2.00
20	150	20	56	75	105	14	16	2	4	3.80	3.15
25	160	25	65	85	115	14	16	3	4	4.90	3.75
32	180	32	76	100	140	19	18	3	4	7.40	6.12
40	200	40	84	110	150	19	18	3	4	8.00	7.32
50	230	50	99	125	165	19	20	3	4	10.89	9.75
65	290	65	118	145	185	19	20	3	4	14.60	14.20
80	310	80	132	160	200	19	22	3	8	19.80	18.00
100	350	100	156	180	220	19	24	3	8	28.50	25.86
125	400	125	184	210	250	19	26	3	8	41.00	37.60
150	480	150	211	240	285	23	26	3	8	58.00	50.60
200	600	200	266	295	340	23	30	3	12	101.50	90.40
250	730	250	319	355	405	28	32	3	12	188.00	176.00
300	850	300	370	410	160	28	32	4	12	233.00	217.00
350	980	350	429	470	520	28	36	4	16	375.00	394.40
400	1100	400	480	525	580	31	38	4	16	580.00	540.00
450	1200	450	548	585	640	31	40	4	20	-	630.00
500	1250	500	609	650	715	34	42	4	20	-	780.00
600	1450	600	720	770	840	37	48	5	20	-	1080.00

PN 16 FLANGED Y TYPE STRAINER (FAF 2500)

Follow the instructions below to perform maintenance and cleaning of **FAF PN 16 Flanged Y Type Strainers.**

DISMOUNTING:
- Make sure that there is no fluid supply on the line where the strainer is detached.
- Unscrew the nuts on the strainer cover (5), remove the washers (4) and detach the cover from the body (8).
- Remove the filter (7) inside the body (8).

INSPECTION AND CLEANING:
- Clean the filter by spraying water or using a wire brush. If deformation, which may be caused by excessive residue accumulation, is observed, replace the filter with a new one.
- Clean the cover and inside of the body to remove the residue. Clean the gaskets surfaces on the body and the cover to remove old gasket particals.
- You may request a new cover gaskets (6) from our company or you may have 2 mm Klingerit gasket material cut according to the gasket seat.

MOUNTING:
- Locate the gasket (6) on the cover (5) and mount the filter (7) on its socket on the cover.
- Place the cover-filter block inside the body (8) as it will fit the filter hole.
- Eliminate the gaps by mounting washers (4) and nuts and complete the mounting by screwing the nuts in opposite pairs.

PRESSURE / TEMPERATURE RATINGS FOR CAST IRON (GG 25) FLANGES (REFERENCE ISO 7005-2 TABLE 16)

Pressure ISO PN	TEMPERATURE ˚C					
	-10 to 120	150	200	250	300	350
	Maximum operating pressure (bar)					
10	10	9,5	9	8	7	5,5
16	16	15,2	14,4	12,8	11,2	8,8
20	15,5	14,8	13,9	12,1	10,2	8,6
25	25	23,8	22,5	20	17,5	13,8
40	40	38	36	32	28	22
50	40,2	39	36	35	33	31

PRESSURE / TEMPERATURE RATINGS FOR DUCTILE IRON (GGG 40) FLANGES (REFERENCE ISO 7005-2 TABLE 17)

Pressure ISO PN	TEMPERATURE ˚C						
	-10 to 40	120	150	200	250	300	350
	Maximum operating pressure (bar)						
10	10	10	9.7	9.2	8.7	8	7
16	16	16	15.5	14.7	13.9	12.8	11.2
20	17.5	15.5	14.8	13.9	12.1	10.2	8.6
25	25	25	24.3	23	21.8	20	17.5
40	40	40	38.8	36.8	34.8	32	28
50	44	40.2	39	36	35	33	31

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