

Flange Y-strainer, Article 697-GS and 697-GS/FS (fine mesh)

Diameter DN 15 up to DN 200



Flange strainer, Y-design for the filtration of solids from the media circuit. Insert with stainless steel mesh, with drain plug in the cover as standard. Installation possible in horizontal and vertical pipelines, the direction of flow is marked with an arrow on the body.

- ☛ **Article 697-GS/FS fine mesh, mesh expanse 0,25 mm**
- ☛ **Low pressure losses due to the favorable hydraulic form**
- ☛ **Face to face according EN 558-1, basis series 1 (DIN 3202, F1)**
- ☛ **Flange connection according EN 1092-2 PN 10/16/25/40**

The mesh size of the fine screens is 0.25 mm for all nominal diameter, the screen insert are carried out with a additional support mesh.

Special screens with a wide variety of mesh sizes on request available

- Optional:** - Connections for differential pressure gauge (G 1/4" / G 1/2")
 - Magnet insert for catching metal particles
 - Drain cock in the cover

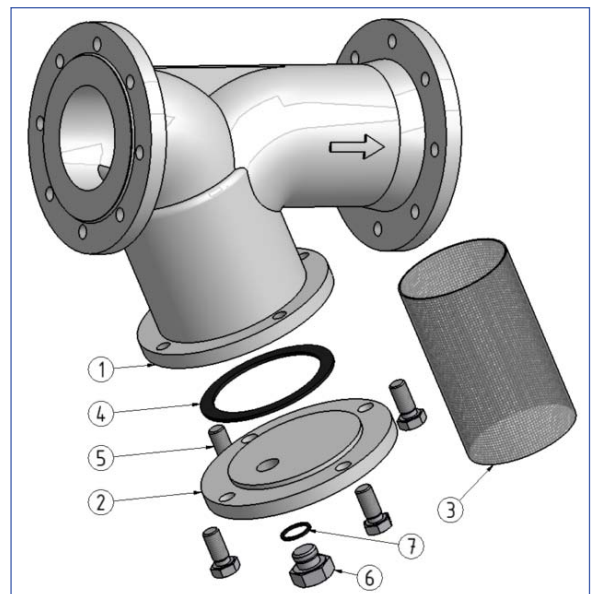
NOTE: If the differential pressure rises > 400.0 mbar the screen insert should be cleaned.

	0036 PED 2014/68/EU, attachmend III, Modul H
	Ambient -20°C ... +80°C
	Medium -20°C ... +400°C

- Design standard DIN EN 12516-1
- Body strenght DIN EN 12516-2
- Design pressure PN 16 / PN 25 / PN 40
- Marking EN 19, MSS SP-25
- Inspection / test DIN EN 12266 P10, P11

Article 697-GS and 697-GS/FS

Pos.	Description	Materials
1	body	cast steel A 216-WCB (GP250GH)
2	cover	steel S355J2+N
3	mesh	stainless steel A 182 F304 (1.4301)
4	sealing	graphite with tanged stainless steel
5	drain plug	steel zinc plated 5.8
6	cover screws	steel zinc plated 5.8
7	sealing	hart packing



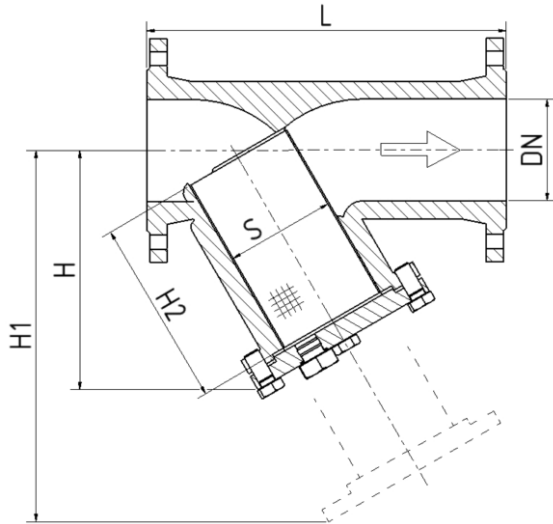
pressure-/temperature range

	PN 16	PN 25	PN 40
design pressure	PN 16	PN 25	PN 40
test pressure (bar)	24,0	37,5	60
max. operating pressure at temperature °C			
-10° C ... +50° C	16,0	25,0	40,0
200° C	14,5	19,4	30,2
300° C	11,8	16,1	25,8
400° C	10,2	14,4	23,1

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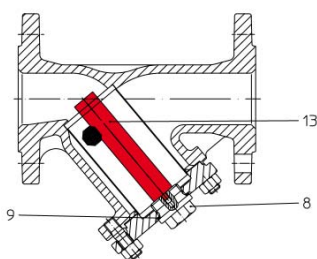
Diameter DN 15 up to DN 200



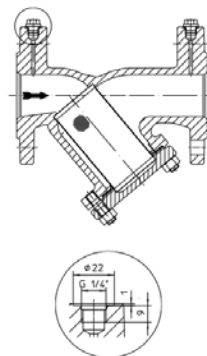
mesh insert				
Material	1.4301 / 304 S15 / BS 6290			
Execution	standard mesh			fine mesh
Diameter (DN)	15 - 20	25 - 65	80 - 200	15 - 200
Mesh size (mm)	0,54	0,87	1,18	0,25
Mesh count (n/cm ²)	150	64	25	625

Diameter	article-no.	STANDARD MESH			article-no.	FINE MESH			cast steel A 216-WCB (GP250GH)							
		697-GS	mesh size (mm)	¹⁾ KVS-value m ³ /h		Zeta-value ζ	697-GS/FS	mesh size (mm)	¹⁾ KVS-value m ³ /h	Zeta-Werte ζ	L (mm)	H (mm)	H1 (mm)	H2 (mm)	S (mm)	design pressure (bar)
DN 15	492.7217.4.11		0,54	4,0	4,34	492.7251.4.11	0,25	4,14	4,72	130	75	120	53	25	40	2,50
DN 20	492.7217.4.13		0,54	7,0	4,60	492.7251.4.13	0,25	7,16	4,99	150	75	125	53	25	40	3,00
DN 25	492.7217.4.15		0,87	11,0	4,78	492.7251.4.15	0,25	10,83	5,33	160	90	150	68	31	40	4,00
DN 32	492.7217.4.18		0,87	17,0	5,19	492.7251.4.18	0,25	17,25	5,64	180	90	170	71	38	40	5,00
DN 40	492.7217.4.19		0,87	27,0	5,41	492.7251.4.19	0,25	26,59	5,79	200	110	205	91	47	40	7,00
DN 50	492.7217.4.21		0,87	41,0	5,79	492.7251.4.21	0,25	41,20	5,89	230	120	250	105	57	40	11,00
DN 65	492.7217.4.24		0,87	67,0	6,19	492.7251.4.24	0,25	66,32	6,49	290	140	285	123	73	40	18,00
DN 80	492.7217.4.25		1,18	100,0	6,49	492.7251.4.25	0,25	97,38	8,91	310	165	330	144	88	40	23,00
DN 100	492.7217.4.27		1,18	154,0	6,70	492.7251.4.27	0,25	148,73	7,23	350	220	415	184	108	40	31,00
DN 125	492.7217.4.28		1,18	239,0	6,80	492.7251.4.28	0,25	232,38	7,23	400	260	484	221	135	40	48,00
DN 150	492.7217.4.29		1,18	345,0	6,80	492.7251.4.29	0,25	334,64	7,23	480	300	535	260	160	40	61,00
DN 200	492.7217.4.31		1,18	623,0	5,59	492.7251.4.31	0,25	604,03	7,02	600	360	720	360	208	25	153,00

¹⁾ applies to a clean mesh



opt. magnet insert



opt. connection for differential pressure measurement



opt. drain ball valve in cover