







Y FILTER STRAINER

Y-type filters can be supplied in both casted and welded versions with welded or flanged threaded connections, both in standard and special versions according to the specifications requested by the customer.

OIL & GAS	CHEMICAL & PETROLCHEMICAL	WATER TREATMENT	POWER GENERATION	FOOD & PHARMA	INDUSTRIAL
					



Applications

Oil & Gas

- Refinery Process Fluids

Chemical & Petrolchemical

- Process Fluids

Water Treatment

- Industrial Process Water Filtration

Power Generation

- Process Fluids • Gas Separation & Treatment • Water Treatment

Features


- Construction method : Casted or welded.
- More materials (Duplex , Monel, etc.) available on request.

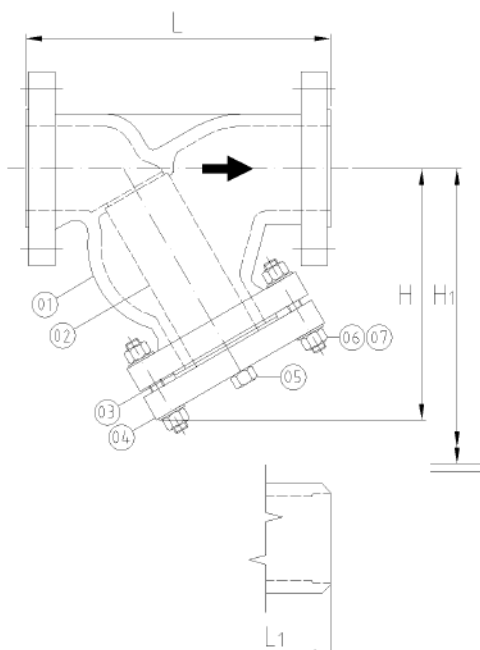
CAST STAINLESS STEEL Y-STRAINER - CLASS 150 ~ 600Lbs.

FEATURES

Y - PATTERN
BOLTED COVER WITH DRAIN PLUG
PERFORATED STAINLESS STEEL SCREEN
STANDARD SCREEN PERFORATED PLATE 1,5 mm
STANDARD BLOWOFF PLUG 3/4" NPT
DIFFERENT MESH AVAILABLE ON REQUEST
SPECIAL FEATURES ACCORDING TO CUSTOMER'S REQUIREMENT

SPECIFICATIONS

Design	ASME B16.34
Face to Face	ASME B16.10
End Flange	ASME B16.5
BW Ends	ASME B16.25
Test	API 598
Marking	MSS-SP25 / CE P.E.D. (97/23/EC)
Special	NACE MR 01.75 / ATEX 94/9/EC 



STAINLESS STEEL Y STRAINER

ITEM	PART NAME	MATERIAL
01	Body	ASTM A351 Gr.CF8M
02	Screen	ASTM A276 Type 316/L
03	Gasket	316L (Spiral Wound + Graphite)
04	Cover	ASTM A351 Gr.CF8M
05	Plug	ASTM A276 Type 316/L
06	Cover Bolts	ASTM A193 Gr. B8M
07	Cover Bolt Nuts	ASTM A194 Gr. 8M

* Recommended spare parts

CARBON STEEL Y STRAINER

ITEM	PART NAME	MATERIAL
01	Body	ASTM A216 Gr.WCB
02	Screen	ASTM A276 Type 316/L
03	Gasket	St.Steel Spiral Wound + Graphite
04	Cover	ASTM A216 Gr.WCB
05	Plug	ASTM A276 Type 304
06	Cover Bolts	ASTM A193 Gr. B7M
07	Cover Bolt Nuts	ASTM A194 Gr. 2HM

DIMENSIONS & WEIGHTS - Class 150 Lbs.

SIZE	mm	50	65	80	100	150	200	250	300	300	400
	inches	2"	2 1/2"	3"	4"	6"	8"	10"	12"	14"	16"
L-L ₁ (RF-BW)	mm	203	216	241	292	406	495	622	699	787	914
	inches	8,00	8,50	9,50	11,50	16,00	19,50	24,50	27,50	31,00	36,00
H	mm	152	183	206	250	329	440	507	594	700	850
	inches	5,98	7,20	8,11	9,84	12,95	17,32	19,96	23,39	27,56	33,46
H ₁	mm	250	340	360	380	570	740	865	1000	1120	1250
	inches	9,84	13,39	14,17	14,96	22,44	29,13	34,06	39,37	44,09	49,21
WEIGHT (RF)	Kg.	12	18	21	32	68	110	175	255	390	640
WEIGHT (BW)	Kg.	8	13	13	25	50	80	134	195	312	553

DIMENSIONS & WEIGHTS - Class 300 Lbs.

SIZE	mm	50	65	80	100	150	200	250	300	300	400
	inches	2"	2 1/2"	3"	4"	6"	8"	10"	12"	14"	16"
L-L ₁ (RF-BW)	mm	267	292	318	356	445	559	622	711	838	914
	inches	10,50	11,50	12,50	14,00	17,50	22,00	24,50	28,00	33,00	36,00
H	mm	170	185	235	300	375	450	575	665	830	900
	inches	6,69	7,28	9,25	11,81	14,76	17,72	22,64	26,18	32,68	35,43
H ₁	mm	270	300	370	480	620	750	930	1075	1385	1500
	inches	10,63	11,81	14,57	18,90	24,41	29,53	36,61	42,32	54,53	59,06
WEIGHT (RF)	Kg.	19	27	35	55	92	182	285	370	650	755
WEIGHT (BW)	Kg.	14	22	24	41	70	135	160	230	510	560

DIMENSIONS & WEIGHTS - Class 600 Lbs.

SIZE	mm	50	65	80	100	150	200	250	300	300	400
	inches	2"	2 1/2"	3"	4"	6"	8"	10"	12"	14"	16"
L-L ₁ (RF-BW)	mm	292	330	356	432	559	660	787	838	889	991
	inches	11,50	13,00	14,00	17,00	22,00	26,00	31,00	33,00	35,00	39,00
H	mm	185	200	260	330	415	490	595	680	850	930
	inches	7,28	7,87	10,24	12,99	16,34	19,29	23,43	26,77	33,46	36,61
H ₁	mm	270	315	380	500	545	800	1000	1200	1410	1460
	inches	10,63	12,40	14,96	19,69	21,46	31,50	39,37	47,24	55,51	57,48
WEIGHT (RF)	Kg.	35	40	48	90	220	360	500	680	770	1150
WEIGHT (BW)	Kg.	26	31	34	53	150	275	365	545	540	810

H₁: MINIMUM REQUIRED FOR REMOVAL OF SCREEN

OTHER MATERIALS, SIZES, CLASSES ARE AVAILABLE UPON REQUEST.

(*): APPROX.

Forged steel Y pattern strainers complete with drain plug

Filtri forgiati ad Y completi di tappi di spurgo

Standard screen:

Elemento filtrante standard:

- Perforation: 0,8 mm

- Perforazioni: 0,8 mm

- Density of holes: 45/cm²

- Densità dei fori: 45/cm²

End connections :

Connessioni :

- Screwed to ANSI B 2.1

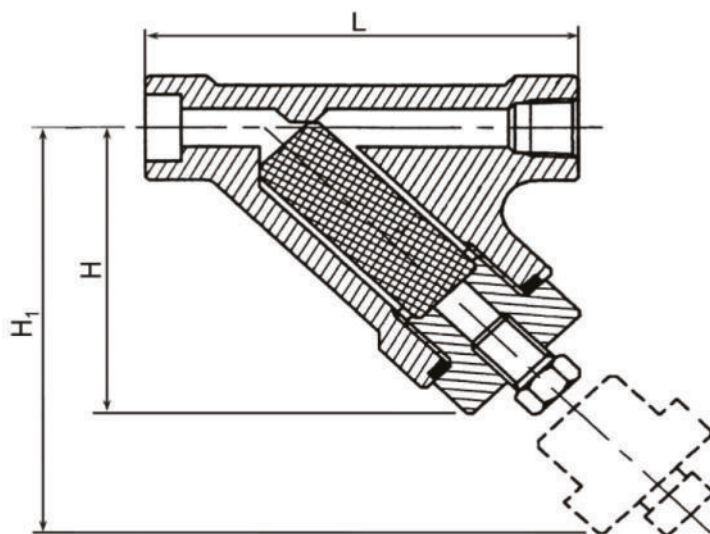
- Filettati ANSI B 2.1

- Socket weld to ANSI B 16.11

- Tasca a saldare - S.W. - ANSI B16.11

- Butt weld to ANSI B 16.25

- A saldare di testa - B.W. - ANSI B 16.25

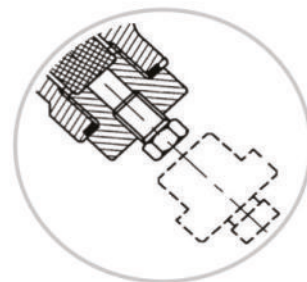


- Hydraulic test pressures: 3000psi (210 bar)

- Dimensions (mm.):

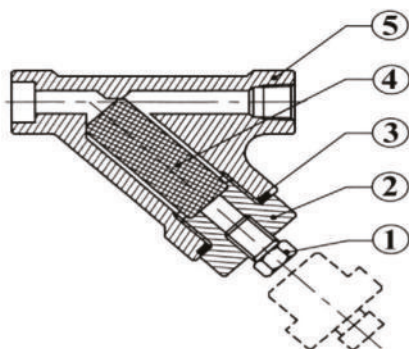
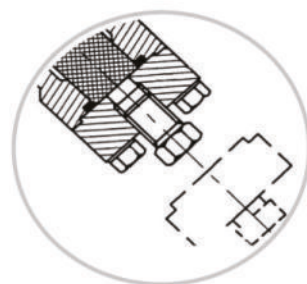
- SCREWED COVER -

Dn	15	20	25	32	40
NPS	1/2"	3/4"	1"	1 1/4"	1 1/2"
L	90	110	130	160	160
H	60	75	93	120	120
H ₁	105	140	155	195	195
Drain Plug	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Weight (Kg.)	0,9	1,4	2,6	3,5	5,8



SPECIAL EXECUTION - BOLTED COVER -

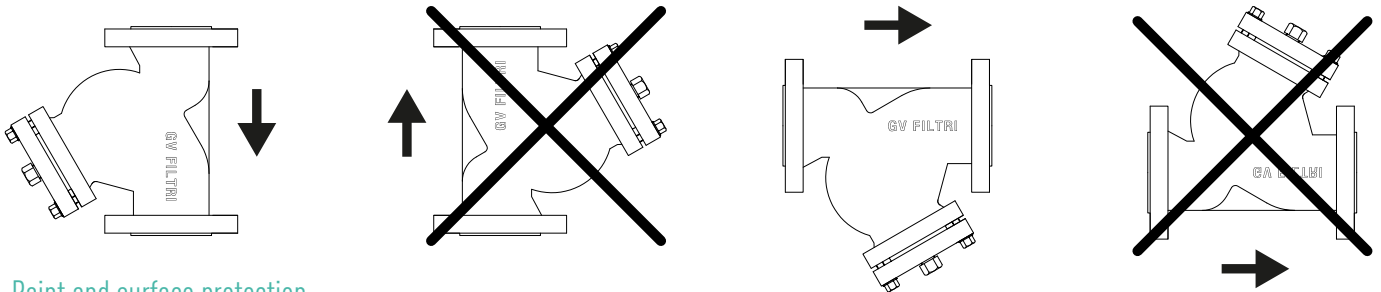
Dn	15	20	25	32	40	50
NPS	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
L	125	125	160	160	160	160
H	90	90	145	145	145	145
H ₁	160	160	205	205	205	205
Drain Plug	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/2" NPT
Weight (Kg.)	1,2	1,8	3	4,3	6,5	8,5



Item	Part Name	Materials	
	Elenco Componenti	Materiali	
1	Drain Plug Tappo di Spurgo	Stainless Steel	Stainless Steel
2	Cover Coperchio	ASTM A105	AISI 316/L
3	Gasket Guarnizione	SPIRAL WOUND AISI 316/L + GRAPHITE	
4	Screen Filtro	AISI 316L	AISI 316/L
5	Body Coperchio	ASTM A105N	AISI 316/L

Installation

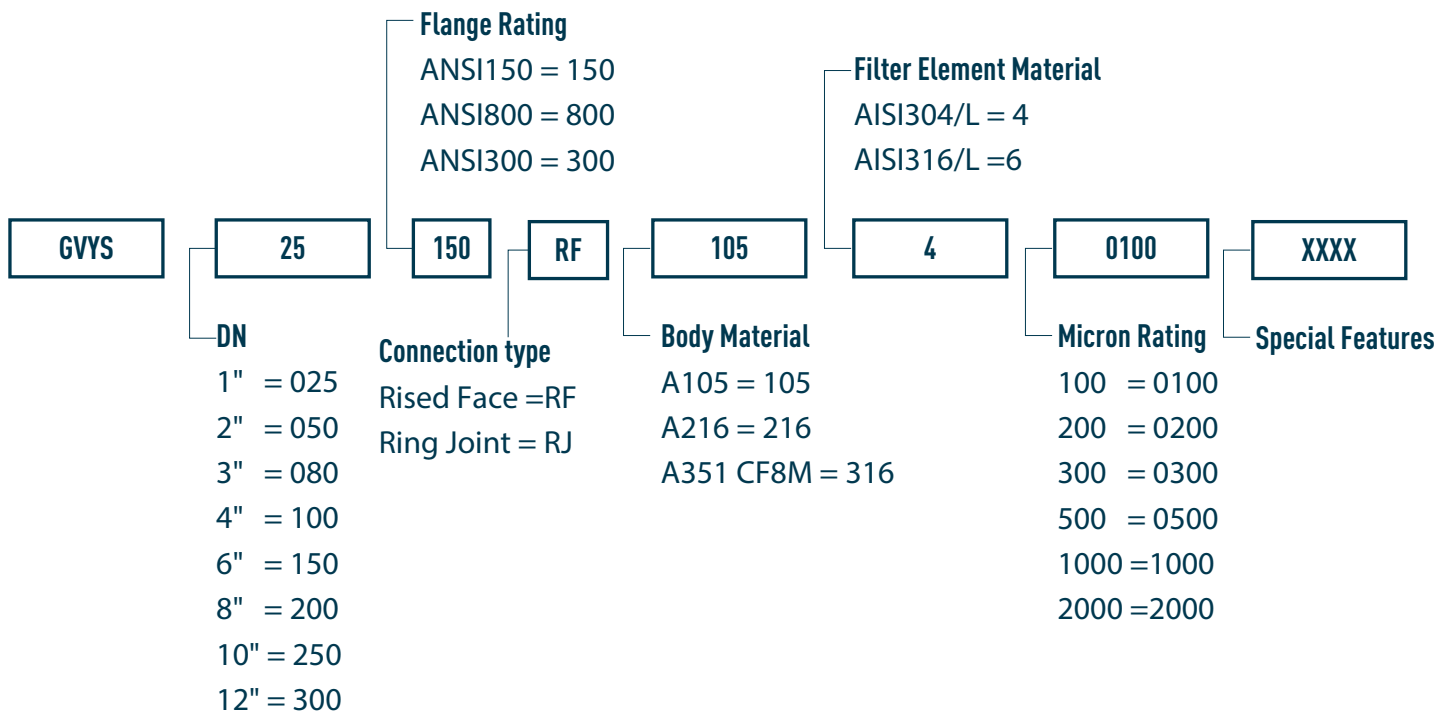
- Strainers should be installed as close as possible to the machinery or valve to be protected. The arrow cast on the strainer body must point to the direction of the flow.
- For installation on horizontal or inclined pipelines, the screen housing must be below the pipeline.
- Never install a "Y" type strainer on vertical pipelines with flow directed upwards. Refer to the figures below.



Paint and surface protection

The standard applied paint by GV FILTRI on the product has the sole purpose of protecting the strainer during transport and the storage period with a maximum duration of 12 months from delivery date, and no guarantee is given for the suitability and durability. Custom paint is available on request.

Ordering Info



* Contact GV Filtri for more information about Materials and Dimensions availability