



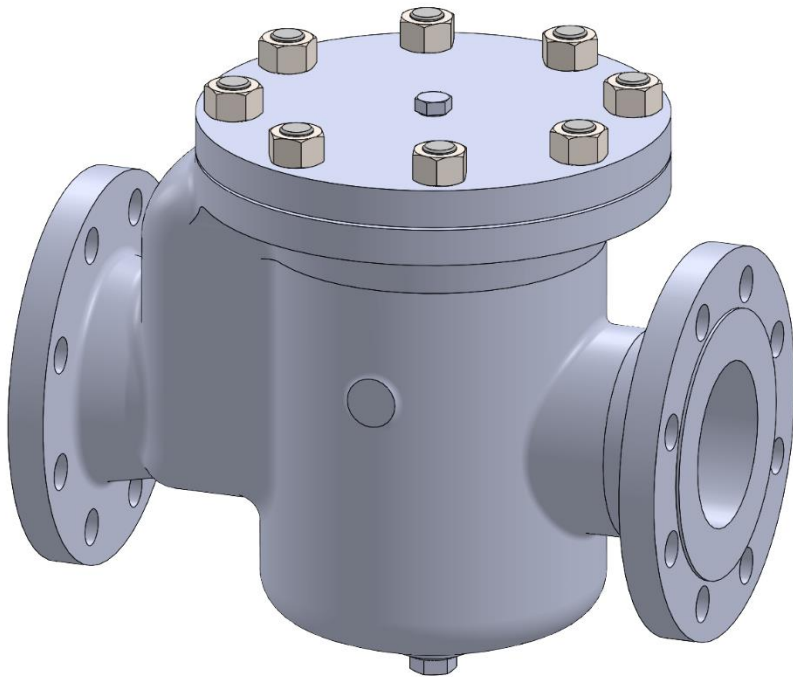
PHÖNIX

STRACK

DAUME
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Solent & Pratt
Phoenix Ltd



Strainer

Type 820

Class 150

Phoenix Valve Group
Am Stadtbruch 6
34471 Volkmarsen

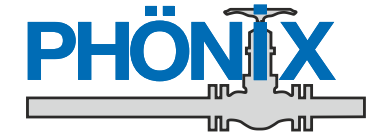
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Strainer basket type / Type 820

Class 150 NPS ½ - 10



Design

- Inserts totally of stainless steel
- Easy replaceable basket inserts
- Extremely huge filtrating area

CE 0525

Filter net acc. to DIN ISO 4783, Standard:

576 Meshes/cm², i.e.

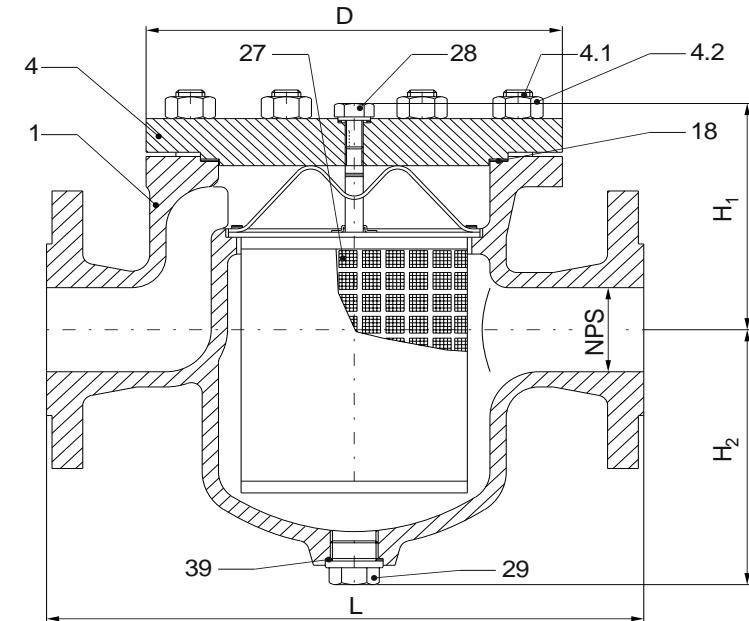
Mesh width = 0,25mm

Dimensions

Cl. 150	NPS	½	¾	1	1¼	1½	2	2½	3	4	5	6	8	10
	L	160	180	195	230	260	330	340	390	410	500	530	630	865
	H1	85	95	90	110	115	150	120	190	215	270	285	350	465
	H2	95	100	105	120	120	155	160	165	165	215	220	360	435
	D	105	125	125	170	190	230	230	265	280	350	350	420	580
	Weight (kg)	4	7	9	15	19	27	35	50	57	100	122	260	390

Drag coefficient / Flow coefficient

NPS	½	¾	1	1¼	1½	2	2½	3	4	5	6	8	10
ζ _v [-]	3,5	2,5	5,1	4,1	3,1	4,4	4,7	5	7,5	7,9	8	5,9	5,8
k _v [m ³ /h]	4,8	10	11	20	36	47	77	113	145	220	260	650	850
c _v [USgal/min]	5,6	11,6	13	23	42	55	90	131	169	256	302	756	988



PHÖNIX reserves the right to change product design and specification without notice.

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Materials

Item	Part name	Heat resistant carbon steel / Type 820 C	Stainless steel / Type 820 V
		Material up to 450°C	Material from -200°C up to 400°C
1	Body	A 105 A 216 WCB	A 182 Gr.F316L A 351 CF 8M
4	Bonnet	A 105	A 479 Gr.316L
4.1	Stud bolt	-	A 193 Gr. B8
4.2	Hex.nut	A 194 Gr. 7L	A 194 Gr. 8
18	Bonnet gasket	Graphite + S.S.	Graphite + S.S.
27	Strainer	A 479 Gr.316Ti A 182 Gr.F316	A 479 Gr.316Ti
28	Vent srew	A 479 Gr.316Ti	A 479 Gr.316Ti
29	Drain screw	A 479 Gr.316Ti	A 479 Gr.316Ti
39	Gasket for drain screw	1.1003	1.1003

Special materials on request.

Specification

Marking	MSS SP-25, ISO 5209 (EN19, AD-A4, CE)
Face-to-face dimensions	
Flanged option	Manufacturer standard
Butt weld ends	Manufacturer standard
Socket weld ends	Manufacturer standard
Connections	
Flanged option	ASME B 16.5
Butt weld ends	ASME B 16.25
Socket weld ends	ASME B 16.11
Pressure-temp.-rating	ASME B 16.34
Testing standard	API 598, ISO 5208 (AD-2000, DIN 3230 section 3)

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Printed in Germany
09/22-R0