



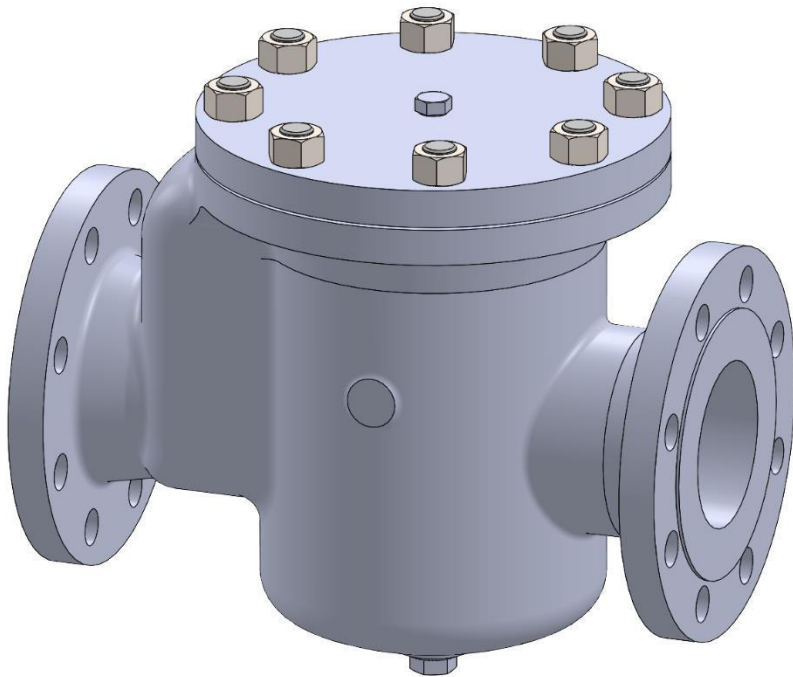
PHÖNIX

STRACK

DAUME
REGELARMATUREN



Solent & Pratt
Phoenix Ltd



Strainer

Type 820

PN 16

Phönix Valve Group
Am Stadtbruch 6
34471 Volkmarsen

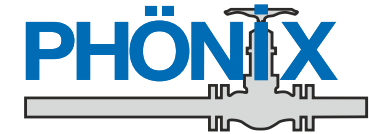
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Strainer basket type / Type 820

PN16 DN15-DN400



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.

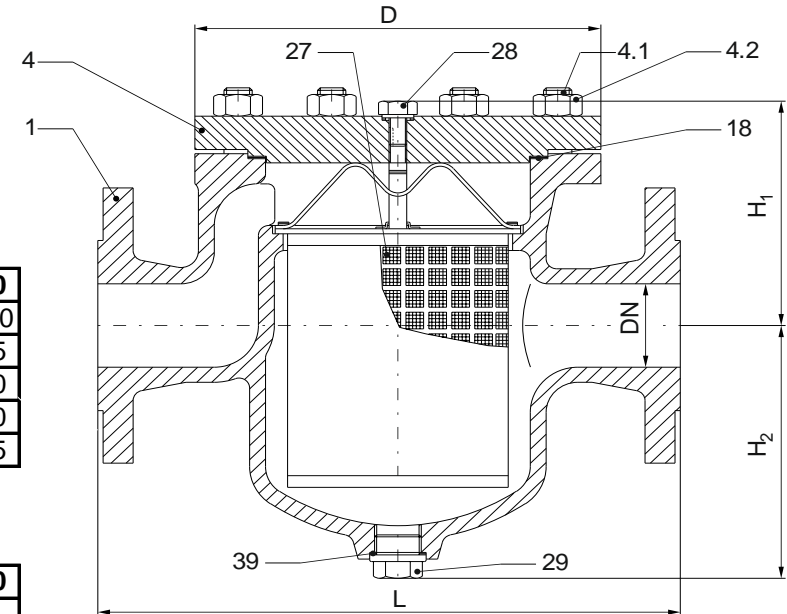
Mesh width = 0,25mm

Dimensions

PN 16	Size / DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
	L	160	180	195	230	260	330	340	390	410	500	530	630	865	850	-	1100
H1	85	95	90	110	115	150	120	190	215	270	285	350	465	520	-	625	
H2	95	100	105	120	120	155	160	165	165	215	220	360	435	590	-	470	
D	105	125	125	170	190	230	230	265	280	350	350	420	580	560	-	680	
Weight (kg)	4	7	9	15	19	27	35	50	57	100	122	260	390	657	-	925	

Drag coefficient / Flow coefficient

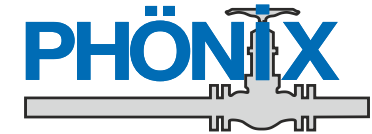
Size / DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
ζ_v [-]	3,5	2,5	5,1	4,1	3,1	4,4	4,7	5	7,5	7,9	8	5,9	5,8	5,9	-	6,1
k_v [m ³ /h]	4,8	10	11	20	36	47	77	113	145	220	260	650	850	1480	-	2590



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

Strainer basket type / Type 820

PN16/ 25/ 40/ 63 DN15 - DN400



Materials

Item	Part name	Heat resistant carbon steel / Type 820 C		Stainless steel / Type 820 V	
		Material * up to 450°C	DIN	Material * from -200°C up to 400°C	DIN
1	Body	P250GH	1.0460	X2CrNiMo17-12-2	1.4404
		GP240GH	1.0619	GX5CrNiMo19-11-2	1.4408
4	Bonnet	P250GH	1.0460	X2CrNiMo17-12-2	1.4404
4.1	Stud bolt	21CrMoV5-7	1.7709	A4-70	
4.2	Hex.nut	25CrMo4	1.7218	A4-70	
18	Bonnet gasket	Stainless steel / graphite		Stainless steel / graphite	
27	Strainer	X6CrNiMoTi17-12-2	1.4571	X6CrNiMoTi17-12-2	1.4571
		X5CrNiMo17-12-2	1.4401		
28	Vent srew	X6CrNiMoTi17-12-2	1.4571	X6CrNiMoTi17-12-2	1.4571
29	Drain screw	X6CrNiMoTi17-12-2	1.4571	X6CrNiMoTi17-12-2	1.4571
39	Gasket for drain screw		1.1003		1.1003

Special materials on request.

* Pressure-Temperature-Rating see appendix

Specification

Marking	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	DIN EN 1092-1 up to PN100
Butt weld ends	DIN EN 12627
Socket weld ends	DIN EN 12760
Testing standard	AD-2000, DIN 3230 section 3, DIN EN 12266

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