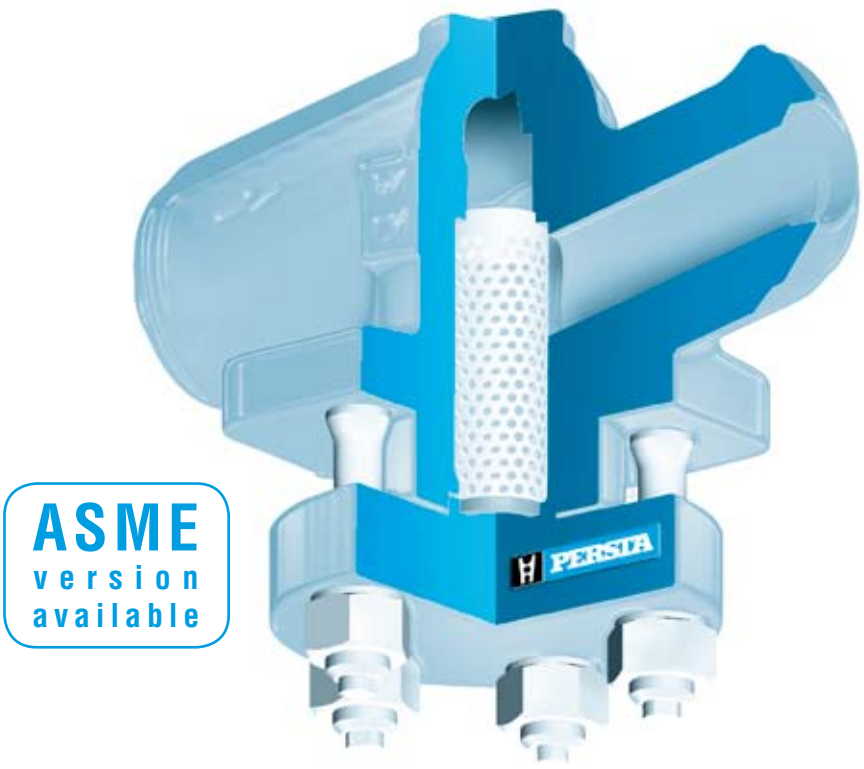
▪ Strainer ▪ Strainer ▪ 990 ST ▪ PN 500 ▪ DN 10-65



Range of application

Admissible operating pressure [bar] at design temperature [°C] 1)

Material	PN	-10	50	100	120	150	200	250	300	350	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590	600	610	620	630	640	650
1.0460	500	550	550	550	550	550	550	518	463	389	315	300	285	270	255	240	213	177	146																	
1.5415	500	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	537,4	518,8	514,7	510,9	507,3	503,8	500,3	496,7	493,1	489,3	426,9	333,5	253,5	200,1	160,1												
1.7335	500	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	500,0	426,9	338,0	275,7	222,4	173,4	142,0	116,0								
1.7383	500	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	500,3	437,3	381,7	333,5	289,1	252,0	214,9	189,0	163,1	140,8	124,5					
1.4903	500	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	500,0	465,0	430,0	380,0	338,0	298,0	261,0	231,0	198,0	172,0
1.4901	500	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	526	470	419	370	322	278	241	207
1.4550	500	550	550	550	550	550	550	544	504	481	463	460	456	454	451	449	447	445	443	442	441	440	439	438	437	437	436	435	434	433	396	363	320	271	240	207

1) Operating temperature = design temperature minus temperature surcharge acc. to DIN regulations

▪ Strainer ▪ Strainer ▪ 990 ST ▪ PN 500 ▪ DN 10-65

Standard features

- Die-forged valve body
- Screw cap
- Compact design
- Also available in angle pattern (992 ST)

Pressure and temperature ratings

- Pressure rating up to 680 bar
- Temperature rating up to 650 °C
- Maximum pressure difference between inlet and outlet 2 bar

Materials

- 1.0460
- 1.4550
- 1.4901
- 1.4903
- 1.5415
- 1.7335
- 1.7383

Screen/filter mesh size

0,10 mm
0,25 mm
0,50 mm
1,00 mm

Further materials and strainer mesh on request

Media

Depending on the material the strainer is suitable for water, gas, oil and other non aggressive media

Fields of application

Chemical industries, power plants, process engineering and other

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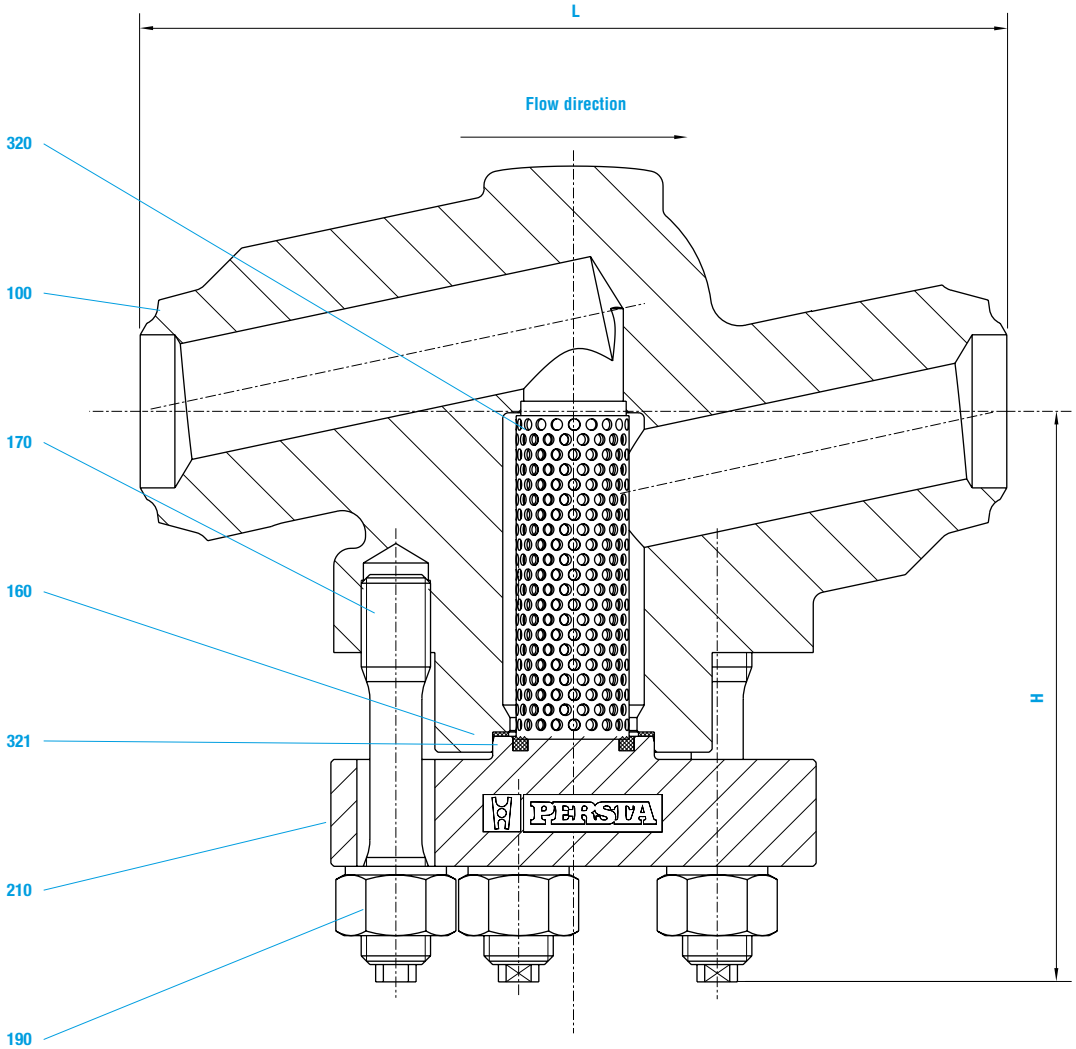
Design Highlights

- Body and bonnet in forged steel
- Body in two separate pieces with bolted connection
- Body-bonnet connection male and female
- Differences of screen/filter mesh size

Benefits

- In contrast to cast steel parts generally free from porosity and shrink holes
- Improved the service possibilities, for exchanging the screen filter
- Blow out protection
- Individually selectable according to the grade of pollution and medium

▪ Strainer ▪ Strainer ▪ 990 ST ▪ PN 500 ▪ DN 10-65



▪ Strainer ▪ Strainer ▪ 990 ST ▪ PN 500 ▪ DN 10-65

Materials

Pos.	Component	1.0460 (21)	1.5415 (42)	1.7335 (44)	1.7383 (45)	1.4903 (63)	1.4901 (66)	1.4550 (89)
100	Body	1.0460	1.5415	1.7335	1.7383	1.4903	1.4901	1.4550
160	▸ Gasket	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite
170	Stud	1.4923	1.4923	1.4923	1.4923	1.4986	1.4986	1.4986
190	Hexagonal nut	1.4923	1.4923	1.4923	1.4923	1.4986	1.4986	1.4986
210	Bonnet	1.7383	1.7383	1.7383	1.7383	1.4903	1.4901	1.4550
320	▸ Filter cylinder	1.4571	1.4571	1.4571	1.4571	1.4571	1.4571	1.4571
321	▸ Packing	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite

▸ Spare parts

Dimensions/mm

DN	L	H
10	150	100
15	150	100
20	180	127
25	180	127
32[1)]	300	198
40	300	198
50	300	198
65	350	251

1) DN 32 not included in DIN-Standard

Attention: In case of welding connections the permissible operating overpressure is valid for the corresponding tube dimensions.

Weights/kg

DN	BW
10	3,7
15	3,7
20	7,6
25	7,4
32[1)]	29,8
40	29,3
50	28,8
65	65,0

▪ Strainer ▪ Strainer DSF ▪ 990 SZ ▪ PD 25 / 40 ▪ DN 80-250

Range of application

BW-Version Material	PD	Admissible operating pressure [bar] at design temperature [°C] 1)																																							
		20	50	100	120	150	200	250	300	350	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590	600	610	620	630	640	650
1.0460	25	250	250	250	250	250	235	206	184	155	125	119	113	107	102	96	85	71	58																	
1.5415	25	300	300	300	300	300	280	258	221	213	206	205	203	202	200	199	197	196	194	170	132	101	79	64												
1.7335	25	300	300	300	300	300	300	294	272	258	243	240	237	234	231	228	227	225	224	222	202	170	134	109	88	69	57	46								
1.7383	25	300	300	300	300	300	300	300	294	272	258	255	252	249	246	243	240	237	234	224	199	174	152	132	115	100	85	75	65	56	49					
1.6368	25	410	410	410	410	410	410	410	410	410	410	410	410	410	402	360	309	257	205	153	102															
1.4903	25	425	425	425	425	425	425	425	425	425	425	425	425	425	425	425	425	425	418	383	372	344	316	290	263	238	213	191	169	150	132	115	100	85	75	64
1.4901	25	425	425	425	425	425	425	425	425	425	425	425	425	425	425	425	425	425	425	423	397	370	345	320	297	275	252	230	208	186	166	147	127	110	95	82

1) Operating temperature = design temperature minus temperature surcharge acc. to DIN regulations

Range of application

BW-Version Material	PD	Admissible operating pressure [bar] at design temperature [°C] 1)																																						
		20	50	100	120	150	200	250	300	350	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590	600	610	620	630	640	650
1.0460	40	400	400	400	400	400	377	330	295	248	200	190	181	172	162	153	135	113	93																	
1.5415	40	480	480	480	480	480	447	412	353	341	330	327	325	322	320	318	315	313	311	271	212	161	127	101												
1.7335	40	481	481	481	481	481	481	471	436	412	388	384	379	374	370	365	363	360	358	355	322	271	215	175	141	110	90	73								
1.7383	40	480	480	480	480	480	480	480	471	436	412	407	403	398	393	388	384	379	374	358	318	278	242	212	183	160	136	120	103	89	79					
1.6368	40	657	657	657	657	657	657	657	657	657	657	657	657	657	643	577	495	412	328	245	163															
1.4903	40	680	680	680	680	680	680	680	680	680	680	680	680	680	680	680	680	680	669	612	596	551	506	464	421	381	341	306	271	240	212	183	160	136	120	103
1.4901	40	680	680	680	680	680	680	680	680	680	680	680	680	680	680	680	680	680	680	677	635	592	552	512	475	440	404	369	334	298	265	235	204	176	152	131

1) Operating temperature = design temperature minus temperature surcharge acc. to DIN regulations

▪ Strainer ▪ Strainer DSF ▪ 990 SZ ▪ PD 25 / 40 ▪ DN 80-250

Standard features

- Valve body made of forged steel
- Pressure sealing bonnet acc. VGB-guidelines

Media

Depending on the material the strainer is suitable for water, gas, oil and other non aggressive media

Pressure and temperature ratings

- Pressure rating up to 680 bar
- Temperature rating up to 650 °C
- Maximum pressure difference between inlet and outlet 2 bar

Fields of application

Chemical industries, power plants, process engineering and other

Materials	Screen/filter mesh size
▪ 1.0460	0,10 mm
▪ 1.4901	0,25 mm
▪ 1.4903	0,50 mm
▪ 1.5415	1,00 mm
▪ 1.6368	3,00 mm
▪ 1.7335	
▪ 1.7383	

Further materials and strainer mesh on request

Design Highlights

- Body and bonnet in forged steel
- Differences of screen/filter mesh size
- Pressure sealing bonnet
- Cover with draining possibility

Benefits

- In contrast to cast steel parts generally free from porosity and shrink holes
- Individually selectable according to the grade of pollution and medium
- Best possible sealing function
- Ease removal filter residues