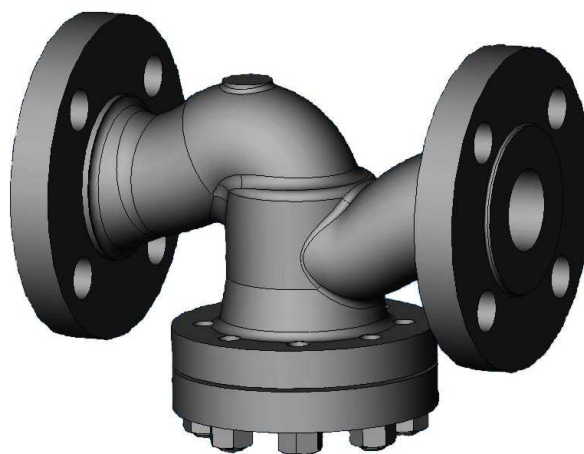


# High-pressure strainer D30

PN 63-160, DN 50 – 150, T<sub>max</sub>: 550°C

High-pressure strainer D30 with flanges or butt weld ends, with non-asbestos gasket  
Meets the requirements of PED 97/23/EC.

- THANKS TO CONVENIENT ACCESS AND FLAT SEAT DESIGN
- **CUSTOMER RELATED SOLUTION** – DESIGN VARIANTS AND MATERIALS COMBINATION ON REQUEST, DIFFERENT CONNECTION TYPES



## BASIC PARAMETERS

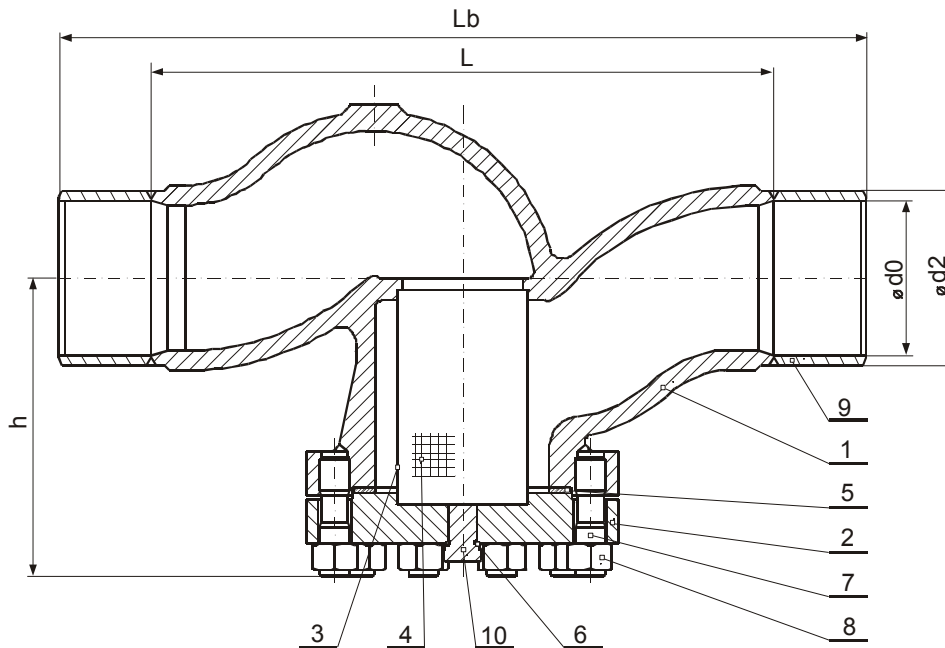
<b>TYPE</b>	High-pressure strainer D30	
<b>PN</b>	63, 100, 160	
<b>DN</b>	50, 65, 80, 100, 125, 150	
<b>APPLICATION</b>	Water, steam, gas, oil, crude oil products, non-aggressive substances	
<b>OPERATING TEMPERATURE [°C]</b>	-10 ÷ 450	-10 ÷ 550
<b>BODY MATERIALS</b>	GP240GH (1.0619)	G17CrMo5-5 (1.7357)
<b>OTHER MATERIALS ON REQUEST</b>	42 2643, 42 2714, 42 2744 (to ČSN 42 00006), GX5CrNiMo19-11-2 (1.4408) and other	
<b>CONNECTION</b>	Butt weld ends, flanged, EN, ČSN, DIN	
<b>FACE-TO-FACE DIMENSIONS</b>	Butt weld ends acc to EN 12982, DIN 3202 or customers request Flanged acc. to EN 558	
<b>DESIGN</b>	<b>High-pressure strainer:</b> <ul style="list-style-type: none"> <li>▪ straight – way pattern</li> <li>▪ drain plug</li> </ul>	<ul style="list-style-type: none"> <li>▪ mesh – standard range 23 to 600 meshes/inch</li> <li>▪ with non asbestos gasket</li> <li>▪ testing acc to. DIN 3230-3 other on request</li> </ul>
<b>BASIC DESIGN OPTIONS</b>	<ul style="list-style-type: none"> <li>▪ Other designs of flanged and Butt-weld ends on your request</li> </ul> Weld on connection branch from different forged materials	<ul style="list-style-type: none"> <li>▪ Other testing requirements on request</li> <li>▪ Delivery according to AD 2000 Merkblatt A4, TRD 110 and other standards on request</li> </ul>

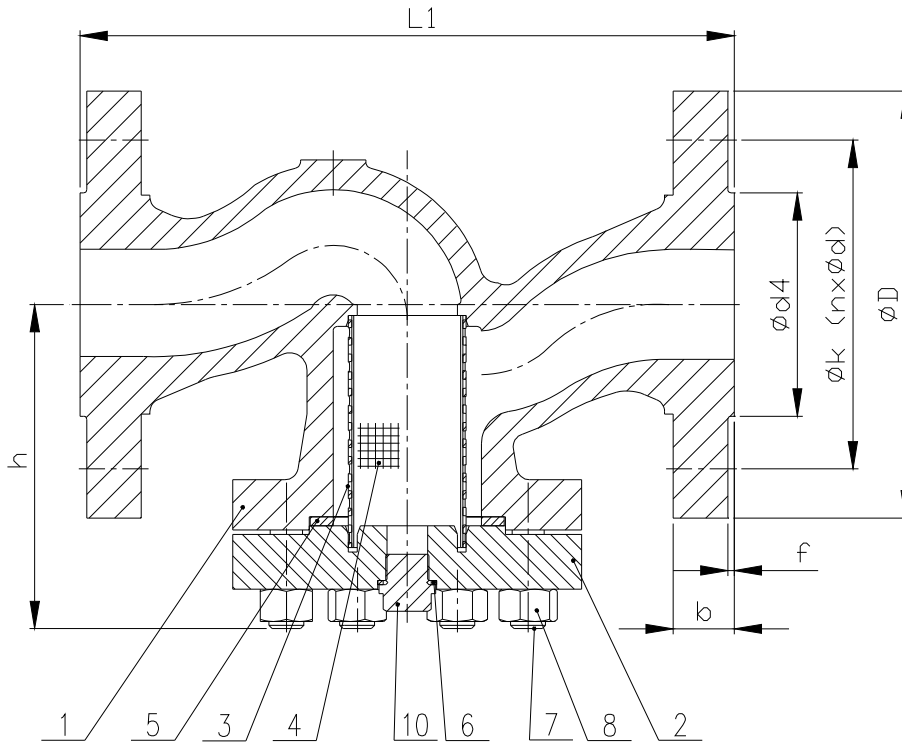
\* We reserve the right to make design changes without any previous announcement.

**PRESSURE-TEMPERATURE-RATINGS**

Material	PN	Admissible operating pressure PS [bar] at operating temperature TS [°C]																		
		-50	-10	50	100	150	200	250	300	350	400	450	475	500	510	520	530	540	550	575
GP240GH (1.0619)	63	-	63	63	59	55	48	45	41	38	36	35	-	-	-	-	-	-	-	-
	100	-	100	100	93	87	76	71	64	60	58	55	-	-	-	-	-	-	-	-
	160	-	160	160	149	136	124	113	103	96	92	89	-	-	-	-	-	-	-	-
G17CrMo5-5 (1.7357)	63	-	63	63	63	63	63	62	57	53	51	48	47	38	33	26	22	22	22	22
	100	-	100	100	100	100	100	98	91	84	80	76	75	61	52	42	35	35	35	35
	160	-	160	160	160	160	160	160	160	152	146	139	127	118	97	79	62	46	35	35

**MATERIALS:**





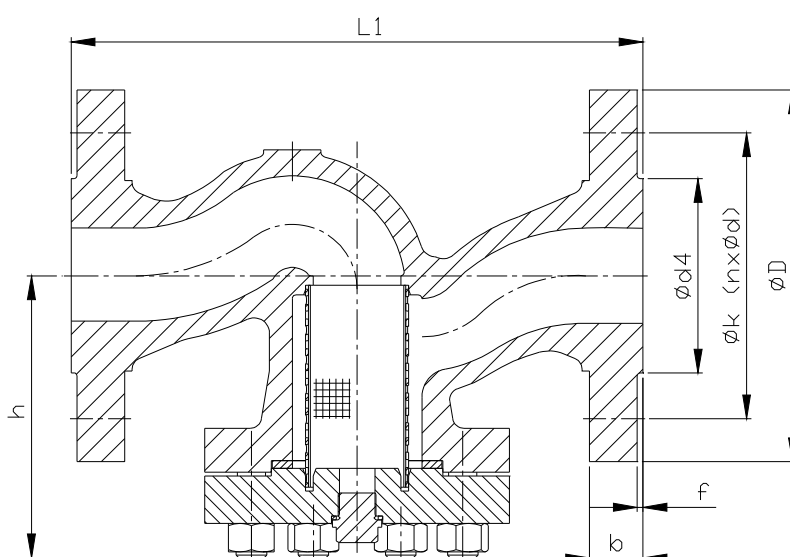
Pos.	Part	Material	
1	Body	GP240GH (1.0619)	G17CrMo5-5 (1.7357)
2	Cover	13CrMo4-5 (1.7335)	
3, 4	Strainer	X5CrNi18-10 (1.4301)	
5	Gasket	ST/Isoplan	
6	Gasket	Grafit	
7	Bolt	21CrMoV5-7 (1.7709)	
8	Hex nut	25CrMo4 (1.7218)	21CrMoV5-7 (1.7709)
9	Branch	P250GH; 16Mo3 (1.0460; 1.5415)	16Mo3; 13CrMo4-5 (1.5415; 1.7335)
10	Plug	21CrMoV5-7 (1.7709)	

**VALVE DIMENSIONS:**

*Flanged*

**Face-to-face dimensions:** EN 558 – line 2  
**Flanges:** EN 1092-1 (DIN 2501/1972)  
**Raised face:** EN 1092-1 – Form B1 (previously DIN 2526/1975 – Form E)  
**Design variants on request:** ČSN 13 1160, and other  
**Flanges design on request:** grooved or tongue type EN 1092-1 – Form C or Form D (previously DIN 2512/1975 – Form F or Form N), recessed or spigot type EN 1092-1 – Form E or Form F (previously DIN 2513/1966 – Form V13 or Form R13), etc.

**Other flanges design variants on your request.**



Nominal pressure	Nominal size	Face-to-face	Centre-to-top-height	Number of bolt holes	Bolt hole diameter	Bolt pitch circle	Flange	Flange thickness	Raised face	Weight appr.
PN	DN	L1 [mm]	h [mm]	n	ød [mm]	øk [mm]	øD [mm]	b [mm]	ød4xf [mm]	m [kg]
63	50	300	150	4	22	135	180	26	102x3	24
	65	340	175	8	22	160	205	26	122x3	35
	80	380	200	8	22	170	215	28	138x3	42
	100	430	225	8	26	200	250	30	162x3	63
	125	500	240	8	30	240	295	34	188x3	87
100	150	550	275	8	33	280	345	36	218x3	140
	50	300	150	4	26	145	195	28	102x3	26
	65	340	175	8	26	170	220	30	122x3	39
	80	380	200	8	26	180	230	32	138x3	49
	100	430	225	8	30	210	265	36	162x3	74
160	125	500	240	8	33	250	315	40	188x3	101
	150	550	275	12	33	290	355	44	218x3	144
	50	300	150	4	26	145	195	30	102x3	28
	65	340	175	8	26	170	220	34	122x3	43
	80	380	200	8	26	180	230	36	138x3	53
160	100	430	225	8	30	210	265	40	162x3	78
	125	500	240	8	33	250	315	44	188x3	105
	150	550	275	12	33	290	355	50	218x3	149

**VALVE DIMENSIONS**

*Weld ends*

Face-to-face dimensions with out connect. branches:

see the table (EN 12982/65; DIN 3202/2 – S3, DN50=260mm)

Face-to-face dimensions with connection branches:

as per table on your request

Weld ends:

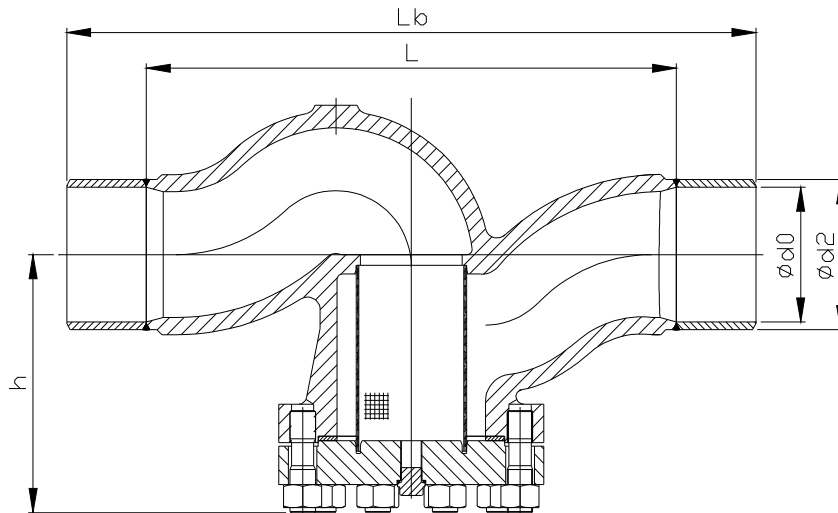
DIN 3239 – Part 1

Groove form:

DIN 2559 – Sheet 1, Form 22

Socket weld:

B16.11. DIN 3239-2.

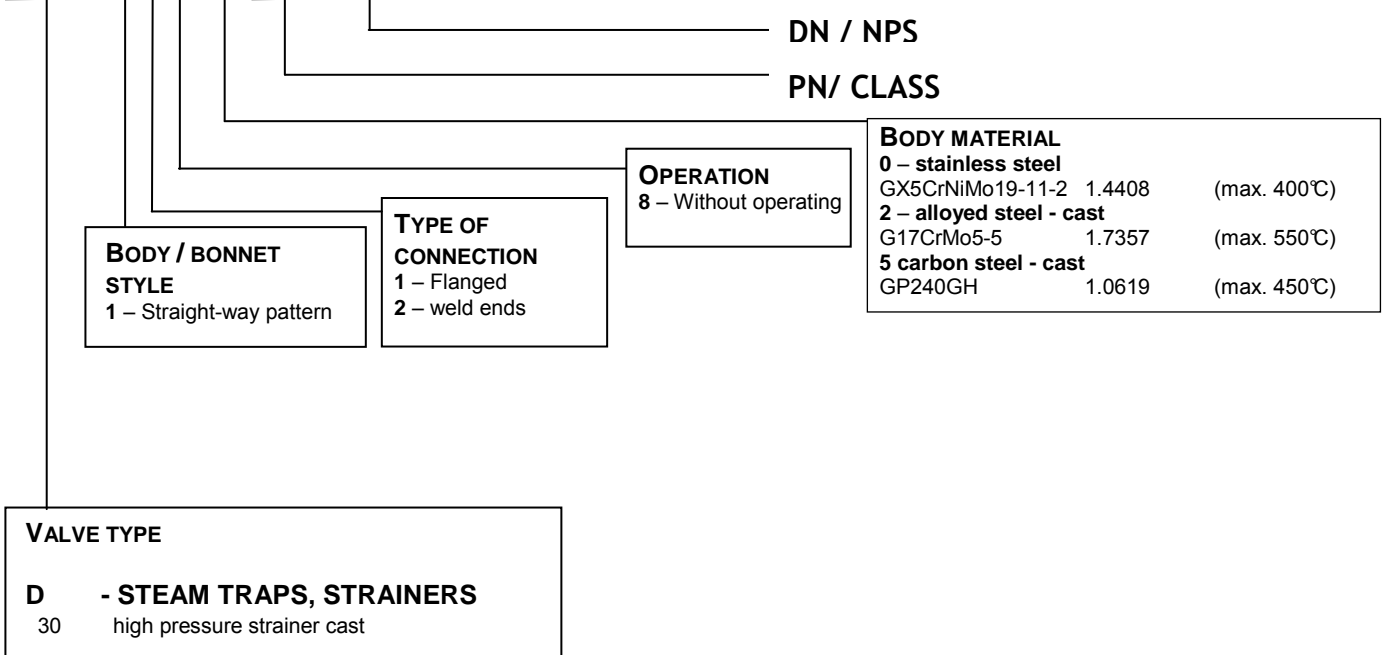


Nominal size	Face-to-face dimension	Face-to-face dimension with branches	Butt-weld ends acc. to DIN 3239-1 Groove forms acc. to DIN 2559 – Sheet 1, Form 22				Pipe dimension			Weight approximated m [kg]		
			PN 63, 100	PN 63	PN100	PN160	PN 63	PN100	PN160	PN 63	PN100	PN160
DN	L	Lb	ød <sub>2</sub>	ød <sub>0</sub>	ød <sub>0</sub>	ød <sub>0</sub>						
50	260	400	61	54	54	52,5	60,3x3,2	60,3x3,2	60,3x4	24	25	25
65	340	480	77	69	69	65	76,1x3,6	76,1x3,6	76,1x5,6	36	36	37
80	380	520	90	81	81	76,5	88,9x4,0	88,9x4,0	88,9x6,3	49	49	50
100	430	570	115	104	104	98,5	114,3x5,0	114,3x5,0	114,3x8	71	71	72
125	500	650	141	130,5	127	120,5	139,7x4,5	139,7x6,3	139,7x10	84	90	92
150	550	710	170	156,5	154	144,5	168,3x5,6	168,3x7,1	168,3x12,5	118	129	131

Note: Standard design without connection branches.

**VALVE DESCRIPTION CODE**

**D30 118-2100-50**



**VALVE INSTALLATION:**

Valve must always be installed in the line position –plug down. Medium - correspondence with the arrow marked on the valve body. During the installation and use of the valve following points have to be respected:

- Maximum working parameters mustn't exceed the maximum values from the table above.
- Right function and service life duration of the valve depends on presence of impurities in the medium.
- Medium has to be in correspondence with the corrosive resistance of the valve
- The valve must not be mechanical damaged during its service life

**Duration of service life depends on regular maintenance.**