

# STRAINER TYPE 922

## CHARACTERISTIC:

Diameter	-	15 -200 mm;
Pressure	-	100 bar;
Temperature	-	up to 560°C;
Medium	-	water, steam and other non-toxic, non aggressive liquid and gas media and engine fuel.

## VERSIONS:

type / ends / body material / others

Example: 922 / --- / --- / ---

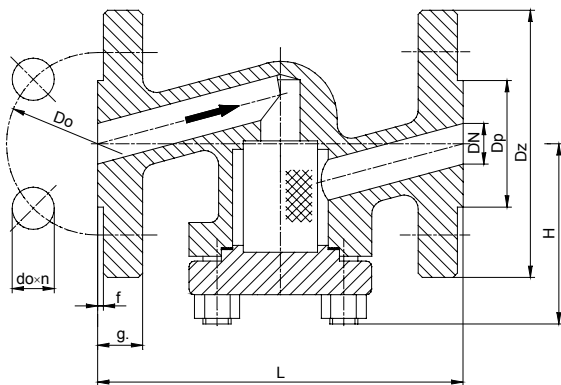
Example: 922 / S / U / AS

Ends	Sign	Body material	Sign	Others	Sign
Standard – flanged	---	(P250GH) C 22.8 or GP240GH	---	Standard – without drain plug	---
Butt weld ends	S	16Mo3 or G20Mo5	U	With drain plug	AS
Socket weld	SW	13CrMo4-5 or G17CrMo5-5	A		
Threaded	G				

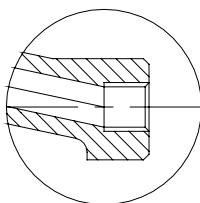
## APPLICATION:

Strainers are used to protect the pipeline and its equipment from impurities. The strainer stop every mechanical impurities bigger then mesh size. The strainers can be made with drain plug for special order.

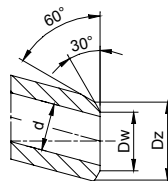
DN 15 - 40



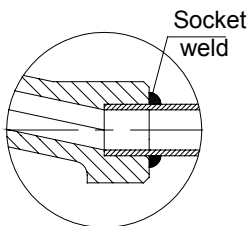
"G"



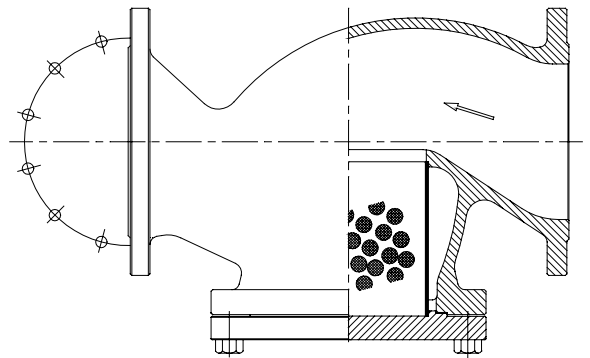
"S"



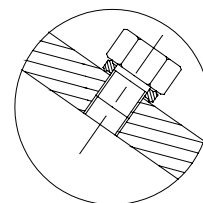
"SW"



DN 50 - 200



Drain plug (in order )  
"AS"



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## MATERIALS:

Versions	Standard	U	A	Standard	U	A
Parts	T <sub>MAX</sub> 450°C	T <sub>MAX</sub> 530°C	T <sub>MAX</sub> 560°C	T <sub>MAX</sub> 450°C	T <sub>MAX</sub> 530°C	T <sub>MAX</sub> 550°C
	DN 15 - 40			DN 50 - 200		
Body , bonnet	(P250GH) C22.8 (1.0460)	16Mo3 (1.5415)	13CrMo4-5 (1.7335)	GP240GH (1.0619)	G20Mo5 (1.5419)	G17CrMo5-5 (1.7357)
Strainer	X6CrNiTi18 10 (1.4541)					
Gasket	Grafite + austenite					

Special materials on request; modifications reserved.

## DIMENSIONS:

Standard - flanged												With butt weld ends			
DN	d	Dz	Dp	Do	do	n	L	g.	f	H	Weight	Dz	Dw	L	Weight
15	14	105	45	75	14	4	210	20	2	70	4,00	22	17	160	2,70
20	19	130	58	90	18	4	230	22	2	75	6,20	28	21,5	160	2,70
25	23	140	68	100	22	4	230	24	2	75	8,30	35	28,5	160	2,70
32	30	155	78	110	22	4	260	24	2	95	11,50	44	36	230	5,20
40	38	170	88	125	22	4	260	28	3	95	14,80	50	43	230	7,70
50	45	195	102	145	26	4	300	28	3	140	15,70	62	54	300	12,90
65	62	220	122	170	26	8	340	30	3	170	37,50	77	69	340	26,30
80	73	230	138	180	26	8	380	32	3	195	40,30	91	81	380	27,50
100	94	265	162	210	30	8	430	36	3	200	54,00	117	104	430	37,20
125	120	315	188	250	33	8	500	40	3	225	76,00	144	127	500	48,90
150	144	355	218	290	33	12	550	44	3	300	151,00	172	154	550	101,10
200	195	430	285	360	36	12	650	52	3	400	215,00	223	199,5	650	135,00

Dimensions in mm; modifications reserved.

## TECHNICAL DATA:

Body material	PN	Maximal working pressure at working temperature																
		20°C	100°C	150°C	200°C	250°C	300°C	350°C	400°C	450°C	480°C	500°C	510°C	520°C	530°C	540°C	550°C	560°C
	bar																	
(P250GH)C 22.8 (1.0460)	100	100,0	92,8	88,0	83,3	76,1	69,0	64,2	59,5	32,8	-	-	-	-	-	-	-	-
16Mo3 (1.5415)	100	100,0	100,0	100,0	100,0	97,6	85,7	80,9	76,1	73,8	56,0	44,2	36,1	28,0	22,3	-	-	-
13CrMo4-5 (1.7335)	100	100,0	100,0	100,0	100,0	100,0	99,5	95,2	90,4	85,7	73,4	65,2	54,9	44,7	37,1	29,0	23,3	19,0
GP240GH (1.0619)	100	100,0	92,8	88,0	83,3	76,1	69,0	64,2	59,5	32,8	-	-	-	-	-	-	-	-
G20Mo5 (1.5419)	100	100,0	100,0	100,0	100,0	97,6	85,7	80,9	76,1	73,8	56,0	44,2	36,1	28,0	22,3	-	-	-
G17CrMo5-5 (1.7357)	100	100,0	100,0	100,0	100,0	100,0	99,5	95,2	90,4	85,7	73,4	65,2	54,9	44,7	37,1	29,0	23,3	19,0

## Mesh

- 100 meshes/cm<sup>2</sup>; basic mesh size 0,6 mm - standard
- 200 meshes/cm<sup>2</sup>; mesh size 0,35 mm;
- 400 meshes/cm<sup>2</sup>; mesh size 0,25 mm;
- 600 meshes/cm<sup>2</sup>; mesh size 0,1 mm.

## MOUNTING AND OPERATING:

*The valve can only be mounted and operated by skilled, properly trained and qualified personnel. Incorrect assembly or operation of the valve may have substantial impact on the entire system such as fluid leakage, reduction in system's function etc.*

Before a strainer is installed the pipeline must be clean from any mechanical impurities. The compatibility of critical parameters of the flow must be checked with the parameters of the strainer. Strainer can be mounted to a pipe-line in horizontal position. The direction of the flow should only comply with the arrow marked on the body. The strainer should be cleaned every time a pipeline is stopped, after a repair and before heating season. In order to clean the strainer the bonnet must be taken off. The mesh can be washed with water under high pressure. Before the mesh is put in it must be dry. The strainer should be operated strictly with its assign.