

# STRAINER TYPE 912

## CHARACTERISTIC:

Diameter	-	15 -200 mm;
Pressure	-	63 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 / disc and disc ring / others

Example: 912 / --- / --- / ---

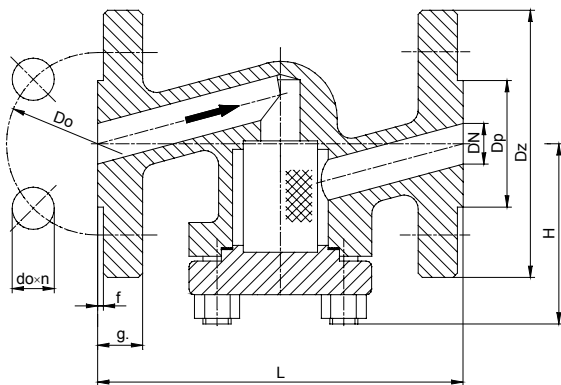
Example: 912 / S / U / --- / AS

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

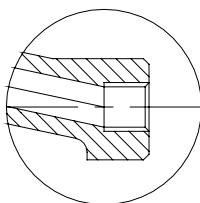
## APPLICATION:

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.

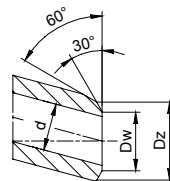
DN 15 - 40



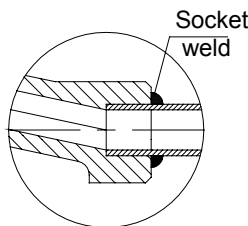
"G"



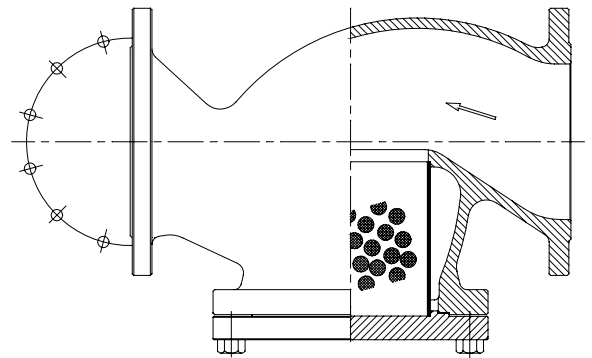
"S"



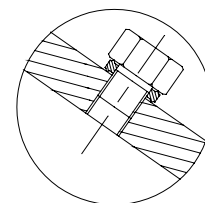
"SW"



DN 50 - 200



Drain plug (in order )  
"AS"



# WK®

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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	Grafit + 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	22	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	36,5	230	5,20
40	38	170	88	125	22	4	260	28	3	95	14,80	50	43	230	7,70
50	45	180	102	135	22	4	300	26	3	140	15,70	62	54	300	12,90
65	62	205	122	160	22	8	340	26	3	170	37,50	77	69	340	26,30
80	73	215	138	170	22	8	380	28	3	195	40,30	91	81	380	27,50
100	94	250	162	200	22	8	430	30	3	200	54,00	117	104	430	37,20
125	120	295	188	240	26	8	500	34	3	225	76,00	144	130,5	500	48,90
150	144	345	218	290	33	8	550	36	3	300	151,00	172	156,5	550	101,10
200	195	415	285	345	36	12	650	42	3	400	215,00	223	204,5	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)	63	63,0	58,5	55,5	52,5	48,0	43,5	40,5	37,5	20,7	-	-	-	-	-	-	-	-
16Mo3 (1.5415)	63	63,0	63,0	63,0	63,0	61,5	54,0	51,0	48,0	46,5	35,3	27,9	22,8	17,7	14,1	-	-	-
13CrMo4-5 (1.7335)	63	63,0	63,0	63,0	63,0	63,0	62,7	60,0	57,0	54,0	46,2	41,1	34,6	28,2	23,4	18,3	14,7	12,0
GP240GH (1.0619)	63	63,0	58,5	55,5	52,5	48,0	43,5	40,5	37,5	20,7	-	-	-	-	-	-	-	-
G20Mo5 (1.5419)	63	63,0	63,0	63,0	63,0	61,5	54,0	51,0	48,0	46,5	35,3	27,9	22,8	17,7	14,1	-	-	-
G17CrMo5-5 (1.7357)	63	63,0	63,0	63,0	63,0	63,0	62,7	60,0	57,0	54,0	46,2	41,1	34,6	28,2	23,4	18,3	14,7	12,0

## 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.