

ST912A / ST922A Strainer PN63/PN100



Description

The ST912A and ST922A are T-type strainers. They are used to protect pipelines and equipment by capturing mechanical impurities larger than the screen mesh. The standard mesh screen is 100 meshes/cm² with a basic mesh size 0,6 mm. Other mesh sizes are available on request. A drain plug is available on request.

Medium: water, steam and other non-toxic, non-aggressive liquid and gas media.

Sizes and pipe connections

DN15 to DN200.

ST912A: Flanged according to EN 1092 PN63

ST922A: Flanged according to EN 1092 PN100

On request: Butt Weld

Standards

The product fully complies with the requirements of the European Pressure Equipment Directive 2014/68/EU and carries the mark CE when so required.

Certification

The ST912A / ST922A are available with certification to EN 10204 3.1.

Note: All certification / inspection requirements must be stated at the time of order placement.

Pressure / temperature limits

ST912A

Body Design Conditions	PN63
Maximum allowable pressure	63 barg
Maximum allowable temperature DN15 - 40	560°C
Maximum allowable temperature DN50 - 200	550°C

ST922A

Body Design Conditions	PN100
Maximum allowable pressure	100 barg
Maximum allowable temperature DN15 - 40	560°C
Maximum allowable temperature DN50 - 200	550°C

Technical data

ST912A		Maximum working pressure (in barg) @ working temperature																
Body mat.	PN	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
13CrMo4-5	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
G17CrMo5-5	63	63,0	63,0	63,0	63,0	63,0	63,0	63,0	60,0	43,5	31,9	24,3	21,5	18,8	16,0	13,3	10,5	-

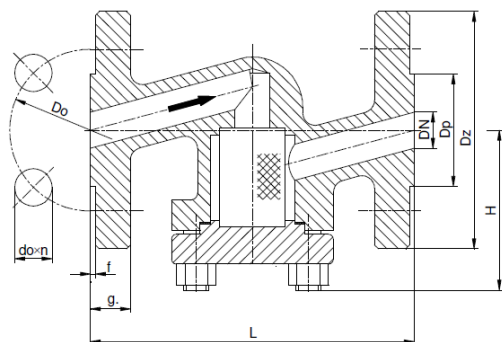
ST922A		Maximum working pressure (in barg) @ working temperature																
Body mat.	PN	20°C	100°C	150°C	200°C	250°C	300°C	350°C	400°C	450°C	480°C	500°C	510°C	520°C	530°C	540°C	550°C	560°C
13CrMo4-5	100	100,0	100,0	100,0	100,0	100,0	99,5	95,2	90,4	85,7	73,4	65,2	54,9	44,7	37,1	29,0	23,3	19,0
G17CrMo5-5	100	100,0	100,0	100,0	100,0	100,0	100,0	100,0	95,2	69,1	51,8	38,6	34,2	29,8	25,4	21,1	16,7	-

Construction

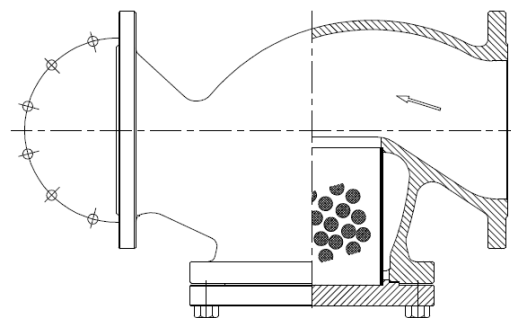
Part	Material	
Body, bonnet	Alloy steel	DN15 – 40
	Alloy steel	DN50 – 200
Screen	Stainless steel	
Gasket	Graphite / Stainless steel	
		13CrMo4-5
		G17CrMo5-5
		X6CrNiTi18 10 (1.4541)

Dimensions & weights (approximative) in mm / kg

DN 15 - 40



DN 50 - 200



ST912A												Butt Weld			
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	4,0	22	17	160	2,7
20	19	130	58	90	18	4	230	22	2	75	6,2	28	22	160	2,7
25	23	140	68	100	18	4	230	24	2	75	8,3	35	28,5	160	2,7
32	30	155	78	110	22	4	260	24	2	95	11,5	44	36,5	230	5,2
40	38	170	88	125	22	4	260	28	3	95	14,8	50	43	230	7,7
50	45	180	102	135	22	4	300	26	3	140	15,7	62	54	300	12,9
65	62	205	122	160	22	8	340	26	3	170	37,5	77	69	340	26,3
80	73	215	138	170	22	8	380	28	3	195	40,3	91	81	380	27,5
100	94	250	162	200	22	8	430	30	3	200	54,0	117	104	430	37,2
125	120	295	188	240	26	8	500	34	3	225	76,0	144	130,5	500	48,9
150	144	345	218	280	33	8	550	36	3	300	151,0	172	156,5	550	101,1
200	195	415	285	345	36	12	650	42	3	400	215,0	223	204,5	650	135,0

ST922A												Butt Weld			
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	4,0	22	17	160	2,7
20	19	130	58	90	18	4	230	22	2	75	6,2	28	21,5	160	2,7
25	23	140	68	100	18	4	230	24	2	75	8,3	35	28,5	160	2,7
32	30	155	78	110	22	4	260	24	2	95	11,5	44	36	230	5,2
40	38	170	88	125	22	4	260	28	3	95	14,8	50	43	230	7,7
50	45	195	102	145	26	4	300	28	3	140	15,7	62	54	300	12,9
65	62	220	122	170	26	8	340	30	3	170	37,5	77	69	340	26,3
80	73	230	138	180	26	8	380	32	3	195	40,3	91	81	380	27,5
100	94	265	162	210	30	8	430	36	3	200	54,0	117	104	430	37,2
125	120	315	188	250	33	8	500	40	3	225	76,0	144	127	500	48,9
150	144	355	218	290	33	12	550	44	3	300	151,0	172	154	550	101,1
200	195	430	285	360	36	12	650	52	3	400	215,0	223	199,5	650	135,0

Mounting and operation:

The strainer must be installed and operated only by suitably trained and qualified personnel. Incorrect installation or operation may cause fluid leakage, reduced system performance, or other serious system issues.

Before installing the strainer, ensure the pipeline is free from mechanical debris and verify that the process conditions are compatible with the strainer ratings. Install the strainer in a horizontal pipeline with the flow direction matching the arrow on the body. Clean the strainer whenever the pipeline is shut down, after repairs, and before the heating season. To clean it, remove the bonnet and rinse the screen with high-pressure water. Allow the screen to dry completely before refitting it. Operate the strainer only within its specified conditions.