

STR 1020

Strainer – DN 50-600



TA-SC

Expert System Components

ENGINEERING ADVANTAGE

Strainer for heating and cooling systems. Available in pressure class PN 16 and 25.



Technical description

Applications:

Heating and cooling systems.

Function:

Water filtration

Dimensions:

DN 50-600

Pressure class:

PN 16 and 25.

Temperature:

Max. working temperature: 120°C

Min. working temperature: -10°C

Free flow area:

DN 50-80: 33%

DN 100-600: 40%

Material:

Body: Ductile iron EN-GJS-500-7 (EN 1563)

Cover: Ductile iron EN-GJS-500-7 (EN 1563)

Screen: Stainless steel X5CrNi18-10 +AT (EN 10088-2, BS970 304S15, A351 CF8)

Gasket: Teflon/Graphite

Plug: Ductile iron EN-GJS-500-7 (EN 1563)

Surface treatment:

FBE (fusion bonded epoxy) coated, dark grey.

Marking:

TA-SC, CE, PN, DN and flow direction arrow.

Flanges:

According to EN 1092-2

Screen diameter:

DN 50-80: 1,5 mm

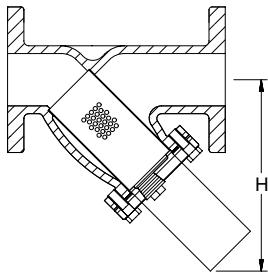
DN 100-600: 3,0 mm

Approvals:

WRAS (PN 16 only)

Installation

When installing the strainer make sure the free space for the strainer basket is sized according to table below.

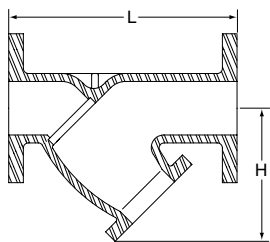


DN	H
50	190
65	233
80	263
100	334
125	402
150	430
200	578
250	693
300	762
350	1125
400	1223
450	1426
500	1480
600	1830

No of bolt holes

DN	PN 16	PN 25
50	4	4
65	4	8
80	8	8
100	8	8
125	8	8
150	8	8
200	12	12
250	12	12
300	12	16
350	16	16
400	16	16
450	20	20
500	20	20
600	20	20

Articles



PN 16

Article No	DN	L	H	Plug	Kg	Kvs
77 102-050	50	230	146	1/2"	10	63
77 102-065	65	273	174	1"	14	97
77 102-080	80	295	198	1"	17	140
77 102-090	100	352	232	1"	32	240
77 102-091	125	416	285	1 1/4"	48	340
77 102-092	150	470	305	1 1/2"	63	390
77 102-093	200	543	401	1 1/2"	108	810
77 102-094	250	660	473	2"	175	1400
77 102-095	300	770	554	2"	253	2000
77 102-096	350	960	740	2"	458	3000
77 102-097	400	1079	840	2"	556	4100
77 102-098	450	1168	910	2"	627	5400
77 102-099	500	1275	968	2"	780	7200
77 102-001	600	1450	1160	2"	1080	8400

PN 25

Article No	DN	L	H	Plug	Kg	Kvs
77 102-150	50	230	146	1/2"	11	63
77 102-165	65	273	174	1"	15	97
77 102-180	80	295	198	1"	18	140
77 102-190	100	352	232	1"	33	240
77 102-191	125	416	285	1 1/4"	50	340
77 102-192	150	470	305	1 1/2"	65	390
77 102-193	200	543	401	1 1/2"	112	810
77 102-194	250	660	473	2"	180	1400
77 102-195	300	770	554	2"	261	2000
77 102-196	350	960	740	2"	467	3000
77 102-197	400	1079	840	2"	567	4100
77 102-198	450	1168	910	2"	640	5400
77 102-199	500	1275	968	2"	796	7200
77 102-101	600	1450	1160	2"	1112	8400

Kvs = m³/h at a pressure drop of 1 bar and fully open valve.

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