

Climate  
Control

IMI TA

TA-STR F



## Strainers

Strainers DN 50-600

# TA-STR F

Strainer for heating and cooling systems.  
Available with flanges or grooved ends.



## Technical description

### Applications:

Heating and cooling systems  
Tap water systems

### Functions:

Filtration

### Dimensions:

DN 50-600

### Pressure class:

PN 16 and PN 25

### Temperature:

Max. working temperature: 120°C  
Min. working temperature: -10°C

### Media:

Water and neutral fluids, water-glycol mixtures.

### Material:

#### Grooved:

Body: Ductile iron EN-GJS-400-10  
Cover: Ductile iron EN-GJS-400-10  
Screen: Stainless steel BS970 304S15  
Gasket: EPDM/Graphite Commercial  
Plug: Cast iron EN-GJS-250

#### Flanged:

Body: Ductile iron EN-GJS-400-10  
Cover: Ductile iron EN-GJS-400-10  
Screen: Stainless steel BS970 304S15  
Gasket: EPDM Commercial  
Plug: Cast iron EN-GJS-250

### Colour:

Blue RAL 5015

### Surface treatment:

Internally and externally liquid epoxy painted or fusion bonded epoxy powder coated (FBE).  
Fusion bonded epoxy coating 150 - 300 microns.

### Marking:

IMI, PN, DN, and flow direction arrow.

### Approvals:

WRAS

### Connections:

Flanged: According to EN 1092-2  
Grooved ends: According to ISO 4200

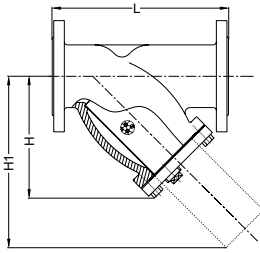
## No of bolt holes

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

## Standard screens

DN	Hole diameter	Free flow area
50-80	1,5 mm	26 %
100-600	3 mm	40 %

## Articles - Flanged



### PN 16

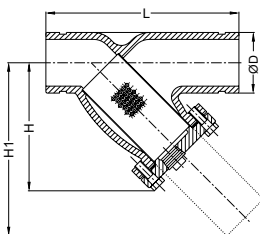
DN	L	H	H1	Plug	kg	Kvs	EAN	Article No
50	230	176	250	1/2"	10	60	5902276802058	43250-036250
65	273	202	290	1"	26	100	5902276802065	43250-036265
80	295	220	310	1"	24	150	5902276802072	43250-036280
100	352	256	380	1"	34	230	5902276802089	43250-036290
125	416	332	490	1 1/4"	52	330	5902276802096	43250-036291
150	470	370	550	1 1/2"	70	400	5902276802102	43250-036292
200	543	465	815	1 1/2"	110	650	5902276802119	43250-036293
250	660	532	805	2"	185	1200	5902276802126	43250-036294
300	770	616	915	2"	295	1900	5902276802133	43250-036295
350	960	755	1125	2"	458	2745	5902276802140	43250-036296
400	1079	840	1223	2"	556	3320	5902276802157	43250-036297
450	1168	910	1426	2"	627	3940	5902276802164	43250-036298
500	1275	968	1480	2"	780	6855	5902276802171	43250-036299
600	1450	1160	1830	2"	1080	8570	5902276802041	43250-036200

### PN 25

DN	L	H	H1	Plug	kg	Kvs	EAN	Article No
50	230	146	190	1/2"	10	60	5902276801914	43250-026350
65	273	174	233	1"	26	100	5902276801921	43250-026365
80	295	198	263	1"	24	150	5902276801938	43250-026380
100	352	232	334	1"	34	230	5902276801945	43250-026390
125	416	285	402	1 1/4"	52	330	5902276801952	43250-026391
150	470	305	430	1 1/2"	70	400	5902276801969	43250-026392
200	543	401	578	1 1/2"	110	650	5902276801976	43250-026393
250	660	473	693	2"	185	1200	5902276801983	43250-026394
300	770	554	762	2"	295	1900	5902276801990	43250-026395
350	960	755	1125	2"	458	2745	5902276802003	43250-026396
400	1079	840	1223	2"	556	3320	5902276802010	43250-026397
450	1168	910	1426	2"	627	3940	5902276802027	43250-026398
500	1275	968	1480	2"	780	6855	5902276802034	43250-026399
600	1450	1160	1830	2"	1080	8577	5902276801907	43250-026300

Kvs = m<sup>3</sup>/h at a pressure drop of 1 bar and fully open valve.

## Articles - Grooved ends



### PN 16

DN	ØD	L	H	H1	Plug	kg	Kvs	EAN	Article No
50	60,3	225	176	250	1/2"	5	60	5902276802188	43250-029250
65 <sup>1)</sup>	73,1	285	202	290	1"	8	100	5902276802782	43250-025265
65	76,1	285	202	290	1"	8	100	5902276802195	43250-029265
80	88,9	318	220	310	1"	10	150	5902276802201	43250-029280
100	114,3	375	256	380	1"	15	230	5902276802218	43250-029290
125	139,7	448	332	490	1 1/4"	27	330	5902276802225	43250-029291
125 <sup>1)</sup>	141,3	448	332	490	1 1/4"	27	330	5902276802799	43250-025291
150	168,3	502	370	550	1 1/2"	37	400	5902276802232	43250-029292
200	219,1	640	465	815	1 1/2"	68	650	5902276802249	43250-029293
250	273	710	532	805	2"	106	1200	5902276802256	43250-029294
300	323,9	779	616	915	2"	148	1900	5902276802263	43250-029295

Kvs = m<sup>3</sup>/h at a pressure drop of 1 bar and fully open valve.

1) Not conforming to ISO 4200.



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