

Strainer

with drain plug



Flanged

PN 6, 16, 25
DN 15-300

Fields of Application

- Hot and high-temperature hot water, steam, fluids containing mineral oils and organic heat transfer fluids in systems or system components without special technical codes
- Hot water heating systems DIN 4751
- High-temperature hot water heating systems DIN 4752
- Heat transfer systems DIN 4754
- Steam boiler systems to TRD 108/110
- Pressure vessel systems to TRB 801 No. 45
- Other fluids on request

The limits given in the technical codes must be complied with.

Operating Data

- Maximum permissible pressure 25 bar
- Maximum permissible temperature 350 °C
- Selection as per pressure-temperature ratings (see overleaf)

Materials

Valve body:

- Lamellar graphite cast iron EN-GJL-250, PN 6 and PN 16
- Nodular cast iron EN-GJS-400-18-LT, PN 16 and PN 25
- For further details, see list of materials.

Design

- Strainer in slanted seat design
- Strainer insert made of stainless steel
- Insert accurately guided in cover and body
- Outside confined cover gasket
- Exterior coating: blue similar to RAL 5002
- Drain plug
- For size DN 150 and above: additional strainer basket made of perforated stainless steel sheet
- Free from asbestos, CFC and PCB

The valves meet the safety requirements of the Pressure Equipment Directive 97/23/EC (PED) of annex I for fluids in groups 1 and 2.

Standard Variants

- Fine-mesh strainer insert
- Cast steel body on request

Additional information

- For handling **aggressive** fluids in the general and chemical industry, in power station and process engineering we recommend our NORICHEM® stainless steel strainers as described in type series booklet 8113.1
- Operating instructions 0570.8

On all enquiries / orders please specify

Strainer

1. BOA®-S as per type series booklet 7125.1
2. EN-GJL-250, PN 6, DN 15-200
EN-GJL-250, PN 16, DN 15-300
EN-GJS-400-18-LT, PN 16, DN 15-300
EN-GJS-400-18-LT, PN 25, DN 15-200
3. Standard variants



Pressure-Temperature Ratings

Nominal pressure PN	Material	Shell / pressure and leak test in bar with water Body (P10, P11) ¹⁾	Permissible operating pressures in bar at temperatures in °C ²⁾				
			- 10 to +120	200	250	300	350
6	EN-GJL-250	9	6	4,8	4,2	3,6	-
16		24	16	12,8	11,2	9,6	-
16	EN-GJS-400-18-LT	24	16	13	13	13	10
25		37,5	25	20	18	16	12

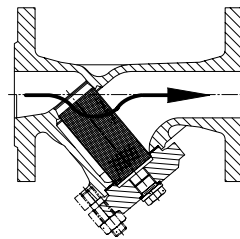
¹⁾ DIN EN 12266-1 (P10, P11) (ISO 5208)

²⁾ Intermediate temperatures can be derived by linear interpolation.

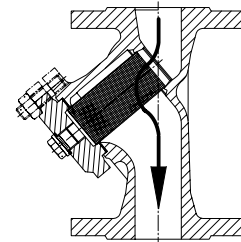
Note: DIN EN 1092-2 para. 5.3 and any plant regulations governing the application in question must be observed when selecting connecting elements between the valve and the piping system.

Installation

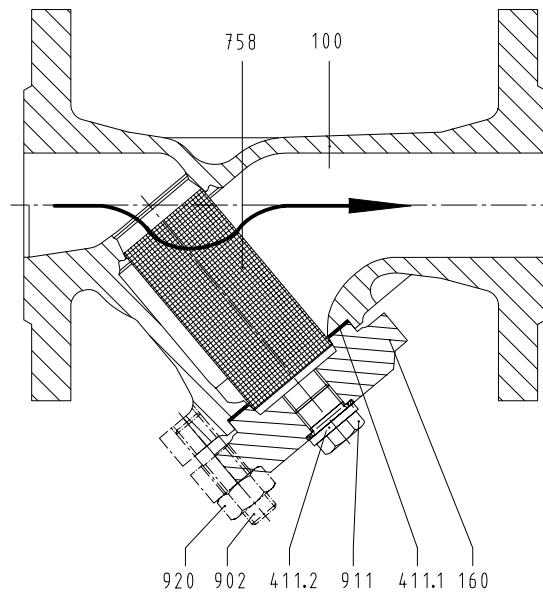
In both horizontal and vertical pipes, we recommend to install the strainer with the strainer insert pointing downwards to facilitate cleaning. Compliance with the directional arrow is important.



Horizontal installation



Vertical installation



Materials

Part No.	Description	PN	Material	Comments
100	Body	6, 16	EN-GJL-250	
		16, 25	EN-GJS-400-18-LT	
160	Cover	6, 16	EN-GJL-250	
		16, 25	EN-GJS-400-18-LT	
411.1	Joint ring	6, 16	CrNi-St-graphite 17	
		16, 25	TESNIT BA-F graphite	
411.2	Joint ring	6, 16, 25	A4	
758	strainer insert	6, 16	X 6 CrNiTi 18 10	1.4541
		16, 25	X 5 CrNi 18 10	1.4301
191	Strainer basket	6, 16	X 6 CrNiTi 18 10	1.4541
		16, 25	X 5 CrNi 18 10	1.4301
902	Stud	6, 16	5.6 or 8.8	gal ZN
		16, 25	Ck 35 V	galvanized, zinc
911	Drain plug	6, 16	A4 or A2	galvanized, zinc
		16, 25	Ck 35 V	galvanized, zinc
920	Hex. nut	6, 16	5-2 or 8	galvanized, zinc
		16, 25	C 35	galvanized zinc