

FMSTR72 /FMSTR73

Forbes Marshall Forged Strainer (Class 1500)

Description

The Forbes Marshall Forged Strainer (Class 1500), FMSTR72 / FMSTR73 is a forged alloy steel strainer with stainless steel screen having 20 mesh with 6mm perforation and 40 mesh with 6mm perforation as standard.

Available Sizes and Pipe Connections

DN 15, 20, 25 and 40

Available with IBR certificate

Other screen mesh/perforation available on special order. Socket weld (FMSTR72) and butt weld (FMSTR73) ends. Also available with class 1500 weld-on flanges on request.

Blow down or drain cock connections

The cap drilled to 1/2"NPT drain plug (to enable a blow down or drain cock to be fitted optional on request)

How to Order

Example : 1 No. DN40 Forbes Marshall Forged Strainer (Class 1500) FMSTR72 / FMSTR73 having 20 mesh with 6 mm perforations, socket weld end connection IBR.

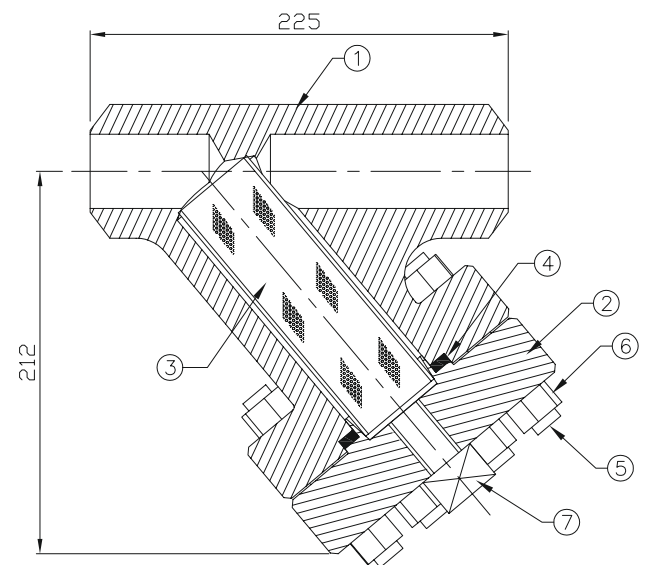


Fig 1 : FMSTR73 in butt weld end connection

Limiting Conditions

Alloy Steel (AS)

Maximum allowable pressure	258.6 bar g at 38°C
Maximum operating pressure	194 bar g at 375°C (IBR requirement)
Maximum operating temperature	590°C at 41.68 bar g
Cold hydraulic test pressure	388 bar g (IBR requirement)

Carbon Steel (CS) - Available on request

Maximum allowable pressure	255.3 bar g at 38°C
Maximum operating pressure	191 bar g at 336°C (IBR requirement)
Maximum operating temperature	425°C at 143.8 bar g
Cold hydraulic test pressure	382 bar g (IBR requirement)

Dimensions : (Approx) mm

Size	DN15	DN20	DN25	DN40
Weight (kg)	25	24	24	23

Material: Alloy Steel

Sr. No.	Part	Material	Standard
1	Body	Gr. F22 Cl.3	ASTM A182
2	Cap	Gr. F22 Cl.31	ASTM A182
3	Screen	SS 304	
4	Gasket spiral wound	SS 304 + Graphite1	
5	Studs	Gr. B16	ASTM A193
6	Heavy Hex. nuts	Gr.7	ASTM A194
7	1/2" NPT drain plug	Gr.F22 Cl.3	ASTM A182

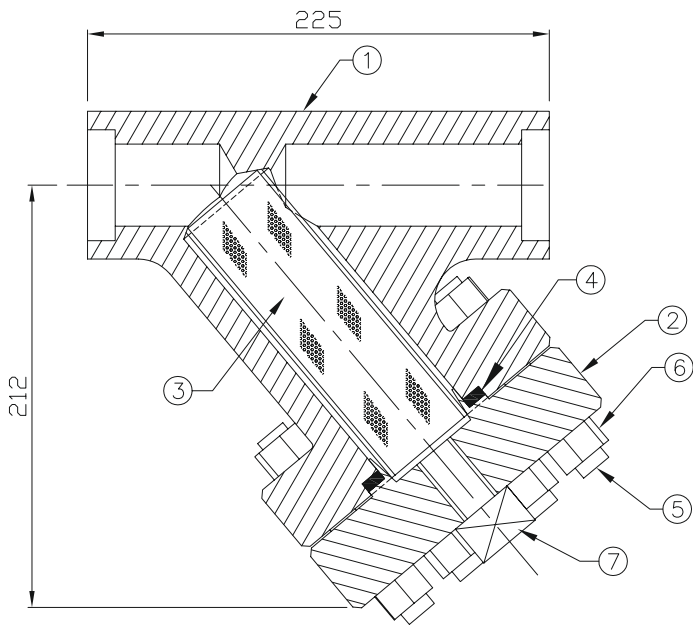


Fig 2 : FMSTR72 in socket weld end connection

installation

Please refer user manual for installation guidelines

Available Spares

Screen and gasket kits are available as spares .

How to Order Spares

Contact Forbes Marshall for ordering of spares.

Servicing

With suitable isolation repairs can be carried out online. Dismantle bolted joint and remove strainer cap to remove muck and clean the screen thoroughly. Fit the screen carefully and fit cap with new gasket. Tighten nuts uniformly. Open up the isolation valve to check for gasket leakage if any and tighten if required.

Material: Carbon Steel

Sr. No.	Part	Material
1	Body	ASTM A105N
2	Cap	ASTM A105N
3	Screen	SS 304
4	Gasket spiral wound	SS 304 + Graphite
5	Studs	ASTM A193 Gr. B7
6	Heavy Hex. nuts	ASTM A194 Gr. 2H
7	½" NPT drain plug	ASTM A105N



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