FMSRV61 (DN20-50)

Forbes Marshall Safety Relief Valve

Description

The Forbes Marshall Safety Relief Valve FMSRV is a high lift safety valve with Stainless steel seat, valve and internals suitable for use on steam, air and water.

Size and Pipe Connections

DN 20, 25, 40 and 50
Screwed BSPT/BSP/NPT
Available with IBR certificate

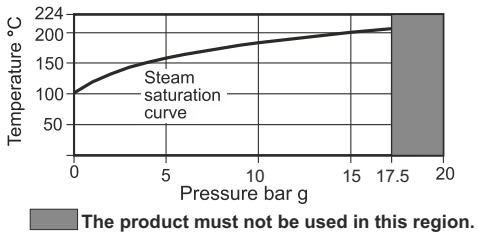
Limiting Conditions

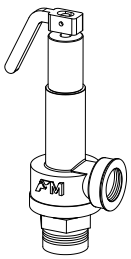
PMA maximum operating pressure	17.5 bar g
TMA maximum operating temperature	220°C
Cold hydraulic test pressure	35 bar g

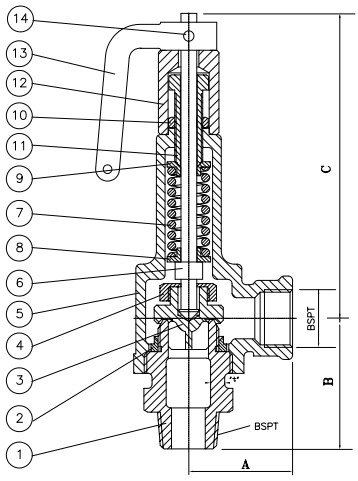
For following set pressure ranges 6 colour coded springs are available

05 to 15 psi (0.344 to 1.03 bar g)	White
15 to 35 psi (1.03 to 2.41 bar g)	Yellow
35 to 75 psi (2.41 to 5.17 bar g)	Green
75 to 125 psi (5.17 to 8.62 bar g)	Blue
125 to 175 psi (8.62 to 12.06 bar g)	Red
175 to 250 psi (12.06 to 17.24 bar g)	Black

Operating Range







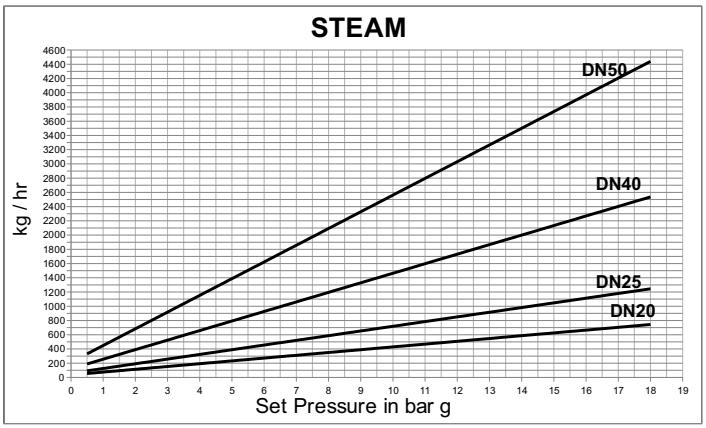
Material

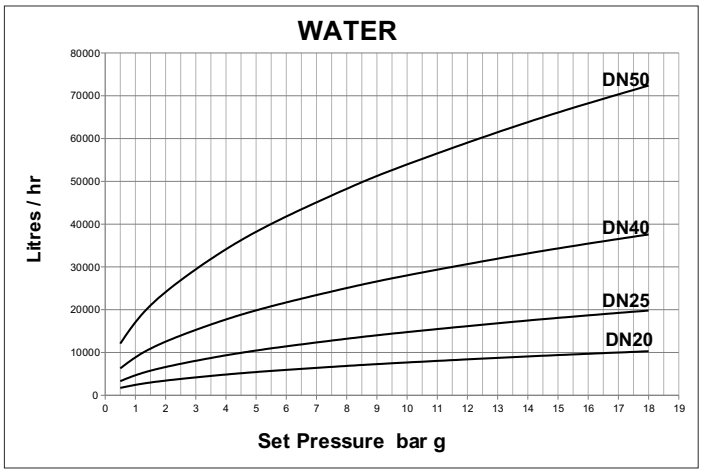
No.	Part	Material	Standard
1	Seat	SS	ASTM A 351 GR CF8
2	Seat ring	SS	ASTM A 276 GR SS304
3	Valve	SS	ASTM A 351 GR CF8
4	Spindle lock nut	SS	ASTM A 276 GR SS304
5	Bonnet	Cast Iron	IS 210 Gr FG260
6	Spindle	SS	ASTM A 276 GR SS304
7	Spring	Stainless steel 302	IS 4454
8	Bottom spring guide	SS	ASTM A 276 GR SS304
9	Top spring guide	SS	ASTM A 276 GR SS304
10	Adj. locking nut	SS	ASTM A 276 GR SS304
11	Adj. Bolt	SS	ASTM A 276 GR SS304
12	Cap	SS	ASTM A 276 GR SS304
13	Lever	Aluminium	-
14	Lever fulcrum pin	SS	ASTM A 276 GR SS304
15	Seat ring locking screw and nut (not shown)	SS	ASTM A 276 GR SS304

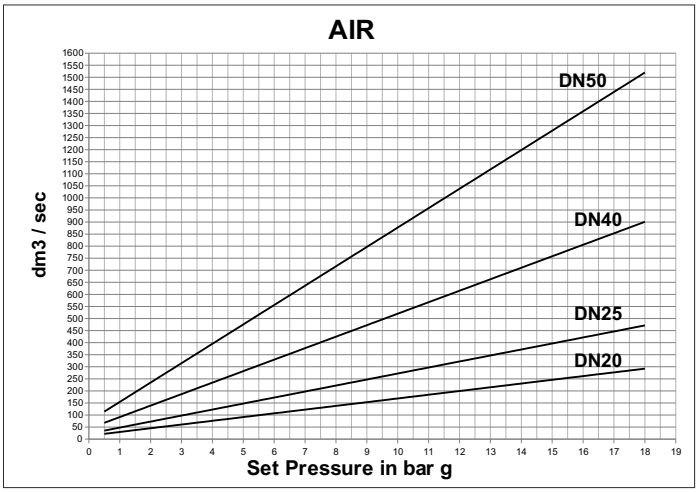
Dimensions: (approx.) in mm

Size DN	A	B	C	Wt (kg)
20	48	60	145	1.4
25	60	65	160	2.1
40	73	84	205	4.5
50	80	108	250	6.5

Capacity Chart







Installation

The safety relief valve should always be fitted with the centre line of the spring housing vertically above the valve. If the discharge pipe is not self-draining then a separate drain pipe with continuous fall should be provided.

The outlet from the safety relief valve should be arranged to discharge to a safe place where it is visible but cannot cause damage or injury to persons.

These valves are not suitable for mounting on boilers

How to Order

Example: 1 No. Forbes Marshall Safety Relief Valve, FMSRV61, DN20 with BSPT ends and a set pressure of 6 bar g.

Available Spares

Valve head and spindle kit

Spring kit

How to Order Spares

Always order spares by using the description given in the column headed available spares. For codes refer user manual.

FORBES MARSHALL

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