MACKVALVES

LETTING GOOD IDEAS FLOW

78 SERIES

PRESSURE BUILD & REDUCING VALVE

Water & Steam

Working Pressure up to 6,000 Kpa (87,000 psi)*

-196°C to + 190°C

Mack's diaphragm controlled Pressure Build & Reducing valves have been designed to give you piece of mind, knowing that your system is operating at exactly the pressure it should be to deliver maximum results.

This valve additionally aids in managing unwanted pressure fluctuations, to ensure your system is operating at its optimum settings.

SELECTION & APPLICATION

Mack's pressure build and reducing valves are suitable for water & steam service and are available in both Bronze and SS. Available with options of BSPT and NPT end connections, and in sizes from 15mm to 25mm; various materials (HTB1, Monel) are available upon request.

*Standard models only operate up to 2,500 Kpa, with a unique model available for this wosure.

PRODUCT NUMBERING

Pressure Build & Reducing Valve									
78	-	#		#		##		-	###
Base No.	-	Body Material		**Trim**		End Connection		-	Size
		1	Bronze	2	BR	08	BSPT		015
		3	Stainless Steel	3	SS	8A	NPT		020
									025

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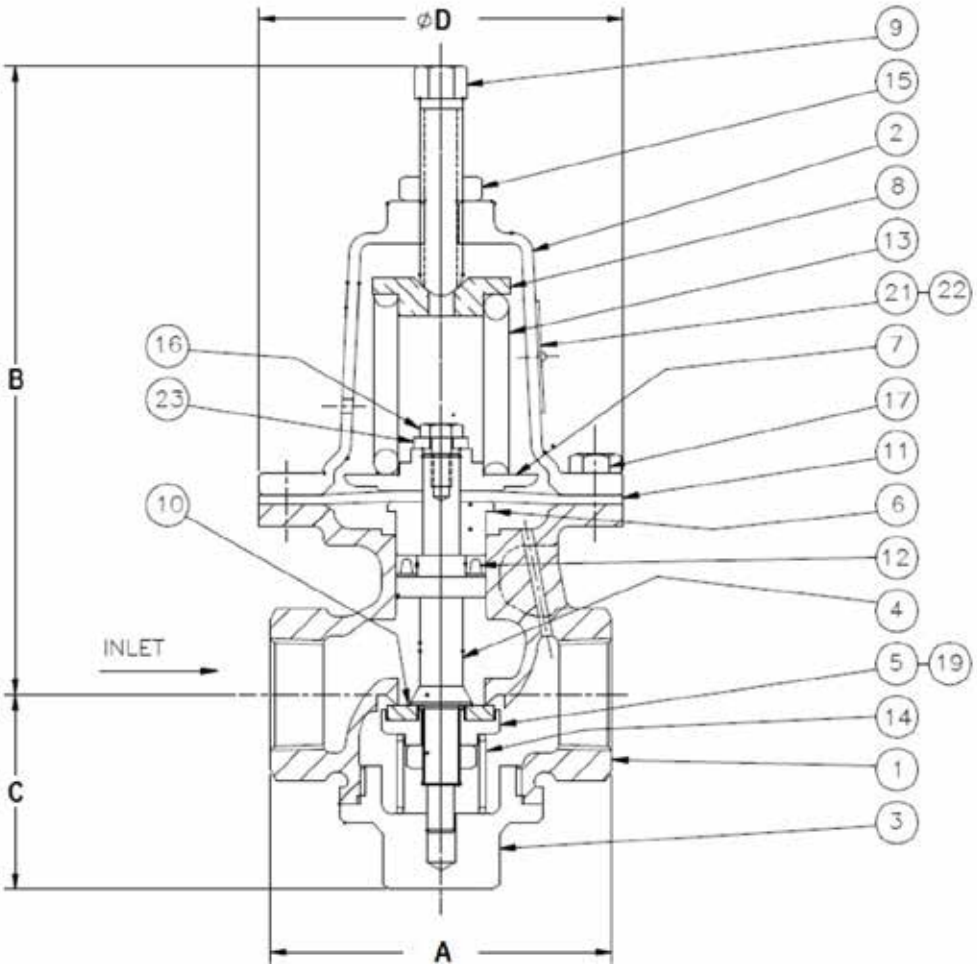
All build options are available from Mack on special order, thus enabling clients to create their own specifications for their own specific needs, but our stock is based around common material specifications favoured by the cryogenic, steam and general process industries.



ITEM NO.	DESCRIPTION
1	Body
2	Cover
3	Cap
4	Spindle
5	Disc Holder
6	Diaphragm Clamp
7	Diaphragm Pad
8	Spring Pad
9	Adjusting Screw
10	Disc
11	Diaphragm
12	U-Ring
13	Spring
14	Spring
15	Lock Nut
16	Hex Head Bolt
17	Hex Head Bolt
19	Disc Locknut
21	Name Plate
22	Drive Pin
23	Washer

Dimensions							
	Face to Face (A)	CL to Top (B)	CL to Bottom (C)	Diameter (D)	Cv	Kv	Weight
					US gpm/psi	m^3/hr / bar	
15mm	121	152	60	108	1.7	1.4	3.0
20mm	95	190	48	108	2.8	2.4	3.5
25mm	102	195	58	108	4.3	3.7	4.0
40mm	127	343	64	190	9.6	8.3	13.0
50mm	152	384	83	216	14.4	12.4	20.0

Notes:
1) Degreased, Packed and labelled for Oxygen Services (ASTM G93)
2) Designed in accordance with EN12516 part 1, 2 & 4, AS1210, AS1271, ASME 16.24, ASME B16.34
3) End Connection: ISO 7-1, ASME B1.20.1
4) Tested to API 598
5) Tested to Pressure Equipment Directive (97/23/EC)

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