

Material pressure regulator with piston

Technical data



Version	ID4 / 25 bar	ID4 / 50 bar	ID4 / 50 bar HM*	ID4 / 100 bar	ID4 / 100 bar HM*	ID4 / 150 bar
Internal diameter Ø	mm 4					
Flow rate at 50.000 mPas	l/min < 0.07	< 0.13		< 0.26		< 0.39
Input pressure max.	bar 20-100	bar 20-250				bar 30-400
Output pressure max.	bar 6-25		bar 6-50	bar 6-100		bar 15-150
Connection input	G		1/4"		3/8"	
Connection output	G		1/4"		3/8"	
Dimensions (A x B)	mm 40 x 40				mm 60 x 60	
Height max. (C)	mm ca. 200					




* Valve seat and valve ball out of tungsten carbide

Variants*

Without pressure gauge	1003471	450.00.00	450.00.04	450.00.02	1013168	450.00.13
Pressure gauge - / 25 bar	1006235			-		
Pressure gauge 160 / 25 bar	1005686			-		
Pressure gauge - / 60 bar	-	450.00.05	450.00.07	1006237		-
Pressure gauge - / 160 bar	-	450.00.06	450.00.28	-	1013172	450.00.23
Pressure gauge 400 / 60 bar	-	450.00.01				
Pressure gauge 400 / 160 bar		-		450.00.03	1013189	450.00.22
Replacement filter with 100 mesh (Standard 30 mesh)			400.25.69			
Heating 100W / 230V / PT100			1006693			

* The material pressure regulators can optionally be equipped with one or two pressure gauges.

Options

 Straight	Pressure gauge 0-25 bar 1005440	Pressure gauge 0-60 bar 135902	Pressure gauge 0-160 bar 135904	Pressure gauge 0-400 bar 135906
 90°	Pressure gauge 0-25 bar 1005441	Pressure gauge 0-60 bar 135903	Pressure gauge 0-160 bar 135905	Pressure gauge 0-400 bar 135907
	Mounting brackets (max. one pressure gauge) 1006834			

Technical data



Version		ID8 / 50 bar	ID12 / 50 bar	ID12 / 150 bar
Internal diameter Ø	mm	8		12
Flow rate at 50.000 mPas	l/min	<1.40	<5.00	<15.00
Input pressure max.	bar	20-250		30-250
Output pressure max.	bar	6-50		15-150
Connection input	G	3/8"		1/2"
Connection output	G	3/8"		1/2"
Dimensions (A x B)	mm	60 x 60		
Height max. (C)	mm	200		

Variants

	450.00.10	450.00.11	450.00.12
Without pressure gauge			
Pressure gauge - / 25 bar		-	
Pressure gauge 160 / 25 bar		-	
Pressure gauge - / 60 bar	450.00.15	450.00.18	-
Pressure gauge - / 160 bar	450.00.16	450.00.19	-
Pressure gauge 400 / 60 bar	450.00.14	450.00.17	-
Pressure gauge 400 / 160 bar		-	450.00.20
Replacement filter with 100 mesh (Standard 30 mesh)		400.26.28	
Heating 100W / 230V / PT100		-	

Accessories

Heating



Heating 100 W 230 V PT100
1006693
(for ID4)

Safety cap



Safety cap
ID4 (25,50,100 bar)
1028738

Safety cap
ID4 (150 bar) / ID8 / ID12
1028727

Material pressure regulator with diaphragm

Technical data





Version	ID4/50 bar	ID4/150 bar	ID8/50 bar	ID8/150 bar	ID12/50 bar	ID12/150 bar
Internal diameter Ø	mm	4		8		12
Flow rate at 50.000 mPas	l/min	<0.28		<3.0		<10.0
Input pressure max.	bar	250-400				
Output pressure max.	bar	4-50	10-150	4-50	10-150	4-50 10-150
Connection input	G	3/8"			1/2"	
Connection output	G	3/8"			1/2"	
Dimensions (A x B)	mm	55 x 55			65 x 65	
Height max. (C)	mm	210			200	

Variants

Without pressure gauge	402.25.20	402.25.40	402.25.00	402.25.50	402.25.60	402.25.30
Pressure gauge - / 60 bar	-		402.26.74		-	
Pressure gauge - / 160 bar				-		
Pressure gauge 400 / 60 bar	402.26.05	-	402.26.59	-	402.26.07	-
Pressure gauge 400 / 160 bar	-	402.26.60	-	402.26.64	-	402.26.08

Options

 Straight	Pressure gauge 0-25 bar 1005440	Pressure gauge 0-60 bar 135902	Pressure gauge 0-160 bar 135904	Pressure gauge 0-400 bar 135906
 90°	Pressure gauge 0-25 bar 1005441	Pressure gauge 0-60 bar 135903	Pressure gauge 0-160 bar 135905	Pressure gauge 0-400 bar 135907