

# 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 mPa s	l/min <0.07	<0.13		<0.26		<0.39
Input pressure max.	bar 20-100	20-250				30-400
Output pressure max.	bar 6-25	6-50	6-100		15-150	
Connection input	G 1/4"		3/8"			
Connection output	G 1/4"		3/8"			
Dimensions (A x B)	mm 40 x 40				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			

Version		ID8/50 bar	ID12/50 bar	ID12/150 bar
Internal diameter Ø	mm	8		12
Flow rate at 50.000 mPa s	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

Without pressure gauge	450.00.10	450.00.11	450.00.12
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		-	

# Material pressure regulator with membrane



## 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 mPa s	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