

Domestic Service Regulators

BD-RMG 225

Products of the Bryan Donkin RMG Gas Controls Ltd.

direct-acting, spring-loaded gas pressure regulator



- for domestic applications
- suitable for natural gas and all non-corrosive gaseous media
- single-balanced valve construction which ensures outlet pressure is not significantly affected by changes in inlet pressure
- internally impulsed
- underpressure cut-off version available

max. inlet pressure up to 0.2 bar
outlet pressure range 0.005 to 0.031 bar

sizes:
R 3/4", 1"

temperature range: -10°C to +60°C

weight:
R 3/4" - 0.410 kg
R 1" - 0.375 kg

direct-acting, spring-loaded gas pressure regulator



- ❑ for domestic, industrial and commercial applications
- ❑ suitable for natural gas and all non-corrosive gaseous media
- ❑ complies with BS.3554: Part 2: Class B.
- ❑ light weight body
- ❑ high capacity compact body
- ❑ pressure sensing via internal impulse tube: (External impulse sensing available for all sizes except R 3/4" and 1"

inlet pressure up to 0.350 bar
(dependent upon model/size)
outlet pressure range 0.0037 to 0.15 bar
(dependent upon model/sizes)

sizes:
R 3/4", 1", 1.1/4", 1.1/2", 2", 2.1/2", 3"
DN 50, 65, 80, 100 and 150
temperature range: -20°C to +60°C
approvals to DVGW & GIVEG

service conditions (in bar)					
	3/4" & 1"	1.1/4", 1.1/2" & 2"	3" DN 65 & 80	DN 100	DN 150
max. inlet pressure	0.20	0.35	0.35	0.35	0.35
outlet pressure range	0.0037 to 0.075	0.0037 to 0.080	0.0075 to 0.080	0.0075 to 0.150	0.0125 to 0.150

dimensions and weights										
	screwed				flanged					
regulator size	3/4" & 1"	1.1/4" & 1.1/2"	2"	2.1/2"	3"	DN 50	DN 65	DN 80	DN100	DN150
face-to-face mm	103	164	210	292	292	210	318	318	369	466
weight in kg	1	2	3	14	14	5	16	16	64	115

direct-acting, spring-loaded gas pressure regulator



- for domestic, industrial and commercial applications
- suitable for natural gas and all non-corrosive gaseous media
- complies with BS.3554: Part 2: Class B
- light weight body
- high capacity compact body
- pressure sensing via internal impulse tube (external impulse sensing available on request)

max. inlet pressure 0.350 bar
 outlet pressure range 0.070 to 0.150 bar

sizes:
 - screwed: 65, and 80 mm
 - flanged: 50, 65, and 80mm

temperature range:
 -20°C to +60°C

service conditions			
outlet pressure range in bar	setpoint spring colour	setpoint spring number	
		DN 50	3", DN 65 & DN 80
0.070 to 0.112	brown	772	774
0.100 to 0.150	orange	773	775

dimensions and weights					
	screwed		flanged		
	2.1/2"	3"	DN 50	DN 65	DN 80
regulator size	292	292	210	318	318
face-to-face mm	17	16	5	19	19
weight in kg					

direct-acting, spring-loaded, angle-type gas pressure regulator



- for domestic, industrial and commercial applications
- suitable for natural gas and all non-corrosive gaseous media
- for connection to gas meter via meter fitting
- complies with BS.3554: Part 2: Class B.
- light weight body
- high-capacity compact body

max. inlet pressure up to 0.350 bar
 outlet pressure range 0.0037 to 0.080 bar

sizes:
 R 1.1/4", 1.1/2", 2"

temperature range:
 -20°C to +60°C

dimensions and weights		
regulator size	1.1/4" and 1.1/2"	2"
face-to-face mm	170	230
weight in kg	2	4

outlet pressure range			
outlet pressure range in bar	setpoint spring colour	setpoint spring number	
		1.1/4" and 1.1/2"	2"
0.0037 to 0.010	white	1153	1154
0.008 to 0.014	red	1067	1072
0.012 to 0.025	green	1068	1073
0.021 to 0.035	blue	1069	1074
0.033 to 0.055	yellow	1070	1075
0.050 to 0.080	black	1071	1076

direct-acting, spring-loaded gas pressure regulator



- for domestic, industrial and commercial applications
- suitable for natural gas and all non-corrosive gaseous media
- complies with BS.3554: Part 2: Class B.
- light weight body
- high capacity compact body
- pressure sensing via internal impulse tube: (External impulse sensing available for all sizes except 20 & 25 mm screwed)

max. inlet pressure 0.2 bar

outlet pressure range 0.011 to 0.08 bar

sizes:

R 1.1/4", 1.1/2", 2"

temperature range:

-20°C to +60°C

approvals

DIN 3380 DVGW

outlet pressure range			
outlet pressure range in bar	setpoint spring colour	setpoint spring number	
		1.1/4" and 1.1/2"	2"
0.011 to 0.016	red	1067	1072
0.015 to 0.028	green	1068	1073
0.026 to 0.038	blue	1069	1074
0.036 to 0.060	yellow	1070	1075
0.056 to 0.080	black	1071	1076

dimensions and weights		
regulator size	1.1/4" and 1.1/2"	2"
face-to-face in mm	170	230
weight in kg	2	4

direct-acting, spring-loaded gas pressure regulator

- for domestic, industrial and commercial applications
- suitable for natural gas and all non-corrosive gaseous media
- high temperature body
- light weight body
- high capacity compact body
- pressure sensing via internal impulse tube: (external impulse sensing available)

max. inlet pressure 0.1 bar
 outlet pressure range 0.011 to 0.080 bar

sizes:
 DN 50
 approvals: DVGW

normal operating temperature range:
 -20°C to +60°C
 vent cut-off operating temperature: 91°C
 maximum temperature: 650°C

face-to-face dimension: 210mm

outlet pressure range			
outlet pressure range in bar	setpoint spring colour	setpoint spring number	
		1.1/4" and 1.1/2"	2"
0.011 to 0.016	red	1067	1072
0.015 to 0.028	green	1068	1073
0.026 to 0.038	blue	1069	1074
0.036 to 0.060	yellow	1070	1075
0.056 to 0.080	black	1071	1076

outlet pressure ranges											
outlet pressure range in bar	colour code	setpoint spring number									
		screwed					flanged				
		3/4" & 1"	1.1/4" 1.1/2"	2"	2.1/2"	3"	DN 50	DN 65	DN80	DN 100	DN 150
0.033 to 0.055	yellow		1070	1075							
0.035 to 0.060	black				550	550		550	550		
	brown/lt.green										430
0.035 to 0.075	yellow	805									
0.035 to 0.080	yellow							285			
	brown/gold									414	
0.050 to 0.080	black		1071	1076							
0.055 to 0.080	grey				598	598		598	598		
	grey/lt.green										431
0.070 to 0.112	grey/maroon									407	
	grey/lt.green										431
0.100 to 0.150	grey/maroon									407	
	metal										617