

direct-acting, lever-operated gas pressure regulator



- for domestic, industrial and commercial applications
- suitable for natural gas and all non-corrosive gaseous media
- cartridge type diaphragm and valve assembly for ease of maintenance
- rapid response to load changes
- wide range of interchangeable orifices
- regulator can be installed in any position
- can be fitted with an overpressure cut-off valve (OPCO)
- cartridge type diaphragm and valve assembly for easy maintenance

max. inlet pressure up to 10.3 bar
(dependent upon orifice fitted)

outlet pressure range 0.01 to 0.21bar

sizes:

R 3/4", 1", 1.1/4", 1.1/2"

temperature range:

-20°C to +60°C

options:

P - no internal relief

R - internal relief

LR - limited internal relief

outlet pressure range					
regulator			safety cut-off valve		
spring number	spring colour	outlet pressure range in bar	spring number	spring colour	cut-off pressure range in bar
126	red	0.01 (0.017) to 0.02 (0.032)	861	brown	0.035 (0.05) to 0.07 (0.1)
131	metal	0.015 to 0.035	868	green	0.06 (0.09) to 0.175 (0.175)
127	green	0.025 (0.03) to 0.043 (0.058)	869	silver	0.16 to 0.26
392	white	0.040 to 0.075	-	-	-
393	blue	0.070 to 0.14	-	-	-
394	grey	0.14 to 0.21	-	-	-

dimensions and weights				
	3/4"	1"	1.1/4"	1.1/2"
face-to-face mm	153	153	153	153
weight without OPCO in kg	3	3	3	3
weight with OPCO in kg	3.3	3.3	3.3	3.3

direct-acting, lever-operated gas pressure regulator



- for domestic, industrial and commercial applications
- suitable for natural gas and all non-corrosive gaseous media
- diaphragm casing can be rotated through 180° relative to regulator body
- rapid response to load changes
- wide range of interchangeable orifices
- regulator can be installed in any position
- can be fitted with an overpressure cut-off valve (OPCO)
- cartridge type diaphragm and valve assembly for ease of maintenance

max. inlet pressure up to 10.3 bar
(dependent upon orifice fitted)

outlet pressure range 0.01 to 0.14 bar

sizes:

R 1/2", 3/4", 1"

temperature range:

-20°C to +60°C

options:

P - no internal relief

R - internal relief

LR - limited internal relief

approval: DVGW - (SD type)

outlet pressure range					
regulator			safety cut-off valve		
spring number	spring colour	outlet pressure range in bar	spring number	spring colour	cut-off pressure range in bar
121 (1008)	red	0.01 (0.017) to 0.032 (0.014)	861	brown	0.035 (0.05) to 0.07 (0.1)
491	metal	0.013 to 0.025	868	green	0.06 (0.09) to 0.175 (0.175)
307	green	0.023(0.032) to 0.045(0.052)	-	-	-
380	orange	0.043 to 0.067	-	-	-
768	blue	0.055 to 0.082	-	-	-

() 241P-SD-OPCO for DVGW

dimensions and weights			
	1/2"	3/4"	1"
face-to-face in mm	100	100	100
weight without OPCO in kg	1.9	1.9	1.9
weight with OPCO in kg	2.2	2.2	2.2

direct-acting, lever-operated gas pressure regulator



- for domestic, industrial and commercial applications
- suitable for natural gas and all non corrosive gaseous media
- diaphragm casing can be rotated through 180° relative to regulator body
- rapid response to load changes
- wide range of interchangeable orifices
- regulator can be installed in any position
- can be fitted with a overpressure or combined under- and overpressure cut-off valve (OPCO and UPCO/OPCO)
- certified to the canadian standard: CAN/CGA 6.18

max. inlet pressure up to 8.6 bar (dependent upon orifice fitted)

outlet pressure range 0.0125 to 0.138 bar

sizes: (screwed)

angle type:

inlet: 1/2", 3/4", 1"

outlet: 1"

inline type:

inlet: 1/2", 3/4", 1"

outlet: 1/2", 3/4" 1"

temperature range:

-40°C to +60°C

options:

P - no internal relief

R - internal relief

LR - limited internal relief

pressure ranges					
regulator			safety cut-off valve (OPCO only)		
spring number	spring colour	outlet pressure range in bar	spring number	spring colour	outlet pressure range in bar
1235		0.0125 to 0.0225	861	brown	0.035 to 0.069
1236		0.015 to 0.035	868	dk. green	0.0675 to 0.1675
1237		0.300 to 0.070			
1262		0.069 to 0.138			
			UPCO /OPCO cut-off valve		
			OPCO		
			1175		0.050 to 0.1125
			1174		0.1125 to 0.225
			UPCO		
			1138		0.010 to 0.025

2-stage, direct-acting, lever-operated gas pressure regulator

- for domestic and commercial gas supply
- suitable for natural gas and all non-corrosive gaseous media
- rapid response to load changes
- regulator can be installed in any position
- can be fitted with an overpressure or combined under- and overpressure cut-off valve (OPCO and UPCO/OPCO)
- inter-stage and 2nd stage limited-capacity relief valves as optional extras

max. inlet pressure up to 5 bar

outlet pressure range 0.0037 to 0.050 bar

inter-stage pressure 0.070 bar

(pre-set at the factory, do not adjust)

size:

R 1"

pressure rating:

PN 6

temperature range:

-20°C to +60°C

options:

P - no internal relief

R - internal relief

LR - limited internal relief



direct-acting, lever-operated gas pressure regulator



- ❑ for domestic, industrial and commercial applications
- ❑ suitable for natural gas and all non-corrosive gaseous media
- ❑ diaphragm casing can be rotated through 180° relative to regulator body
- ❑ rapid response to load changes
- ❑ wide range of interchangeable orifices
- ❑ regulator can be installed in any position
- ❑ can be fitted with a overpressure cut-off valve (OPCO)
- ❑ cartridge type diaphragm and valve assembly for ease of maintenance

max. inlet pressure up to 10.3 bar
(dependent upon orifice fitted)

outlet pressure range 0.01 to 0.5 bar

sizes:

screwed: 32, 40mm

flanged: 50mm

temperature range:

-20°C to +60°C

options:

P - no internal relief

R - internal relief

LR - limited internal relief

High Pressure Service Regulators

BD-RMG 270 MK2

Products of the Bryan Donkin RMG Gas Controls Ltd.

dimensions and weights			
	1.1/2"	2"	DN 50
face-to-face in mm	168	168	190
weight without OPCO in kg	12	12	16
weight with OPCO in kg	12.5	12.5	16.5

outlet pressure range					
regulator			safety cut-off valve (OPCO only)		
spring number	spring colour	outlet pressure range in bar	spring number	spring colour	cut-off pressure range in bar
1244	red	0.010 to 0.015	861	brown	0.035 to 0.090
1245	grey	0.015 to 0.020	1103	gold	0.080 to 0.130
1246	green	0.020 to 0.028	1104	purple	0.120 to 0.250
1247	yellow	0.028 to 0.045	1254	red	0.340 to 0.500
1248	black	0.045 to 0.075	1255	green	0.450 to 0.600
1249	white	0.075 to 0.110			
1250	orange	0.095 to 0.150	safety cut-off valve (UPCO/OPCO)		
1251	blue	0.140 to 0.225	OPCO		
1252	silver	0.200 to 0.350	1109	grey	0.040 to 0.055
1263*	brown	0.320 to 0.500	1110	green	0.050 to 0.110
			1111	silver	0.110 to 0.200
			1140	silver/red	0.150 to 0.250
			UPCO		
			1138	blue/green	0.010 to 0.030

* Series 270H only

pilot-operated, fail-closed high pressure regulator

- for industrial and commercial applications
- suitable for natural gas and all non corrosive gaseous media
- diaphragm casing can be rotated through 360° relative to regulator body
- cartridge type diaphragm and valve assembly for ease of maintenance
- regulator can be installed in any position
- can be fitted with a overpressure cut-off valve (OPCO) or a combined under-/over-pressure cut-off valve (UPCO/OPCO) *)

max. inlet pressure up to 11 bar outlet pressure range 0.050 to 2.4 bar

sizes:
flanged to DN 50

temperature range:
-20°C to +60°C

*) see series 309 safety cut-off valve for details

High Pressure Service Regulators

BD-RMG 270-3

Products of the Bryan Donkin RMG Gas Controls Ltd.

dimensions and weights	
face-to-face in mm	190
weight in kg	32

direct-acting, lever-operated gas pressure regulator



- for domestic, industrial and commercial applications
- diaphragm casing can be rotated through 180° relative to regulator body
- suitable for natural gas and all non-corrosive gaseous media
- wide range of interchangeable orifices
- regulator can be installed in any position
- can be fitted with a overpressure cut-off valve or thermal cut-off valve
- cartridge type diaphragm and valve assembly for ease of maintenance

max. inlet pressure up to 8.6 bar (dependent upon orifice fitted)

outlet pressure range 0.015 to 0.410 bar

sizes:

screwed: 40 & 50mm

flanged 40 & 50mm

temperature range:

-40°C to +60°C

options:

P - no internal relief

R - internal relief

LR - limited internal relief

safety diaphragm (SD) version available

BiasClosed for pilot loading

ECL - external control line

pressure ranges					
regulator			safety cut-off valve (OPCO only)		
spring number	spring colour	outlet pressure range in bar	spring number	spring colour	cut-off pressure range in bar
960	grey	0.015 to 0.035	861	brown	0.035 to 0.069
961	yellow	0.030 to 0.055	868	dk. green	0.099 to 0.173
962	brown	0.050 to 0.100	868H	dk. green	0.1725 to 0.550
963	orange	0.069 to 0.209			
964	blue	0.138 to 0.414			

pilot-operated gas pressure regulator

- for industrial and commercial applications
diaphragm casing can be rotated through 360° relative to regulator body
- suitable for natural gas and all non-corrosive gaseous media
- cartridge type diaphragm and valve assembly for ease of maintenance
- regulator can be installed in any position
- can be fitted with a overpressure cut-off valve
- cartridge type diaphragm and valve assembly for ease of maintenance

max. inlet pressure up to 40 bar
outlet pressure range 0.015 to 4.140 bar
(dependent upon pilot fitted)

sizes:

flanged: DN50

temperature range:

-20°C to +60°C

pilot options:

RS10/NM - 0.020 to 0.500 bar

RS10/MM - 0.220 to 3.500 bar

RMG 650 - 1 to 5 bar

dimensions and weights:

face-to-face 200mm

weight 41.5 kg

outlet pressure range with pilot RS10d (RMG 610)						
load limiting unit			final control unit			
	outlet pressure range W_h in bar	wire dia. in mm	unit type	outlet pressure range W_h in bar	wire dia. in mm	p_{max} in bar
M	0.1 to 1.5	3.3	N	0.006 to 0.040	2.5	100
				0.006 to 0.060	3.0	
				0.022 to 0.120	3.5	
				0.080 to 0.200	4.0	
				0.100 to 0.500	5.0	
	0.5 to 5	4.7	M	0.1 to 1.5	3.3	100
				0.2 to 2.5	4.0	
				0.3 to 3.5	4.5	

outlet pressure range with pilot RMG 650				
setpoint spring		colour	outlet pressure range W_h in bar	wire dia. in mm
control stage with diaphragm type measuring unit	1	grey	0.5 to 2	5.0
	2	yellow	1 to 5	5.6

direct-acting, lever-operated gas pressure regulator



- ❑ for gas services to domestic, industrial and farm taps
- ❑ specially designed for safe accurate first stage reduction on high pressure gas systems
- ❑ for natural gas and all non-corrosive gaseous media
- ❑ wide operational outlet pressure range
- ❑ diaphragm casing can be rotated through 180° relative to body and can be positioned in any angle
- ❑ precise and positive operation
- ❑ wide range of interchangeable orifices, without removing the body from the pipeline
- ❑ can be fitted with integral overpressure (OPCO) or under-/overpressure cut-off valve (UPCO/OPCO)

max. inlet pressure:

69 bar (dependant upon orifice size)

outlet pressure range:

0.210 to 13.8 bar

sizes:

R 1/2", 1", 1.1/4"

temperature range:

-20°C to +60°C

High Pressure Service Regulators

BD-RMG 204

Products of the Bryan Donkin RMG Gas Controls Ltd.

outlet pressure range		
outlet pressure range	spring number	colour
0.200 to 0.820	261	yellow
0.690 to 1.720	262	aluminium
1.380 to 4.130	263	white
3.450 to 8.600	264	tan
6.900 to 13.800	265	grey
0.690 to 6.900	266	dark green

dimensions and weights (all sizes)

face-to-face 102 mm

weight 7 kg