

### diaphragm-actuated, lever-operated relief valve



- ❑ for domestic, industrial and commercial applications
- ❑ a reliable means of protecting piping, vessels and other systems against excessive pressure. Also designed for district pressure regulator installations where a dependable
- ❑ valve is required downstream to deal with regulator creep and to avoid premature release of safety shut-off valve
- ❑ 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
- ❑ installation in any angle
- ❑ wide range of interchangeable orifices, without removing the body from the pipeline

max. inlet pressure:  
25 bar

relief pressure range:  
0.550 to 11.3 bar

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

temperature range:  
-20°C to +60°C

relief pressure range		
relief pressure range	spring number	colour
0.550 to 0.830	261	yellow
0.690 to 1.720	262	aluminium
1.508 to 4.140	263	white
3.780 to 6.900	264	tan
6.200 to 11.370	265	grey

**dimensions and weights** (all sizes)

face-to-face 102 mm

weight 7 kg

### spring-loaded, diaphragm-operated relief valve



- for domestic, industrial and commercial applications
- a reliable means of protecting piping, vessels and other systems against excessive pressure. Also designed for district pressure regulator installations where a dependable valve is required downstream to deal with regulator creep and to avoid premature release of safety shut-off valve
- for natural gas and all non corrosive gaseous media
- lightweight and dependable
- precise and positive operation
- inlet test point
- installation in any angle

max. inlet pressure:  
0.350 bar

relief pressure range:  
0.010 to 0.120 bar

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

temperature range:  
-20°C to +60°C

<b>dimensions and weights</b>				
	3/4" & 1"	1.1/4"	1.1/2"	2"
face-to-face mm	103	164	164	210
weight in kg	0.63	1.95	1.87	3.91

<b>relief pressure ranges</b>					
relief pressure range in bar	spring colour	spring number			
		3/4" & 1"	1.1/4"	1.1/2"	2"
0.010 to 0.300	red	859	-	-	-
0.025 to 0.065	brown	861	-	-	-
0.050 to 0.090	blue	1239	-	-	-
0.085 to 0.120	yellow	1238	-	-	-
0.010 to 0.028	blue	-	1069	1069	1074
0.028 to 0.060	black	-	1071	1071	1076
0.040 to 0.080	self	-	1156	1156	1157
0.060 to 0.120	orange	-	1181	1181	1182

**spring-loaded, diaphragm--operated relief valve**



- for domestic, industrial and commercial applications
- a reliable means of protecting piping, vessels and other systems against excessive pressure. Also designed for district pressure regulator installations where a dependable valve is required downstream to deal with regulator creep and to avoid premature release of safety shut-off valve
- for natural gas and all non-corrosive gaseous media
- lightweight and dependable
- precise and positive operation
- inlet test point
- installation in any angle

max. inlet pressure: 0.5 bar  
 relief pressure range: 0.025 to 0.350 bar  
 sizes: R 1.1/4", 1.1/2", 2"  
 temperature range: -20°C to +60°C

relief pressure range				
relief pressure range in bar	spring colour	spring number		
		1.1/4"	1.1/2"	2"
0.025 to 0.080	orange	495	495	497
0.070 to 0.170	blue	835	835	1183
0.160 to 0.350	grey	1178	1178	1184

dimensions and weights			
	1.1/4"	1.1/2"	2"
face-to-face in mm	164	164	210
weight in kg	2.38	2.30	4.70

### spring-loaded, diaphragm--operated relief valve



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- for natural gas and all non corrosive gaseous media
- lightweight and dependable
- precise and positive operation
- inlet test point
- installation in any angle

max. inlet pressure:

BD-RMG 226R - 0.2 bar

BD-RMG 226HR - 0.5 bar

relief pressure range:

BD-RMG 226R - 0.010 to 0.070 bar

BD-RMG 226HR - 0.100 to 0.215 bar

sizes:

R 2.1/2", 3" and DN 65, DN 80

temperature range:

-20°C to +60°C

**Safety Relief Valves****BD-RMG 226R MK2 & 226HR MK2**

Products of the Bryan Donkin RMG Gas Controls Ltd.

relief pressure range			
relief pressure range in bar	spring colour	spring numbers	
		226 R	226 HR
0.010 to 0.220	metal	790	790
0.020 to 0.035	green	791	791
0.030 to 0.070	yellow	799	799
0.062 to 0.120	orange	-	775
0.115 to 0.215	blue	-	778

dimensions and weights								
	226 R				226 HR			
	2.1/2"	3"	DN 65	DN 80	2.1/2"	3"	DN 65	DN 80
face-to-face mm	292	292	318	318	292	292	318	318
weight in kg	14.3	13.6	16.0	16.4	17.0	16.4	18.7	19.1

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- for natural gas and all non corrosive gaseous media
- lightweight and dependable
- precise and positive operation
- inlet test point
- installation in any angle

max. inlet pressure:  
10 bar

relief pressure range:  
BD-RMG 226 VR - 0.040 to 0.550 bar  
BD-RMG 226 VHR - 0.5 to 2.0 bar

sizes:  
R 3/4", 1"

temperature range:  
-20°C to +60°C

**Safety Relief Valves****BD-RMG 226VR & 226HVR**

Products of the Bryan Donkin RMG Gas Controls Ltd.

relief pressure range			
relief pressure range in bar	spring colour	spring numbers	
		226 VR	226 HVR
0.400 to 0.060	red	1090	-
0.055 to 0.085	yellow	1091	-
0.080 to 0.125	green	1092	-
0.125 to 0.210	brown	1093	-
0.200 to 0.325	blue	1094	-
0.320 to 0.550	black	1095	-
0.500 to 1.100	black	-	1095
1.000 to 2.000	black/white	-	1095 & 1096

dimensions and weights				
	226 VR		226 HVR	
	3/4"	1"	3/4"	1"
face-to-face mm	142	122	142	122
weight in kg	4.5	4.2	5.2	4.9

**spring-loaded, diaphragm-operated relief valve**



- ❑ for industrial and commercial applications
- ❑ a reliable means of protecting piping, vessels and other systems against excessive pressure
- ❑ for natural gas and all non corrosive gaseous media
- ❑ fully balanced internal double valves assembly
- ❑ extremely high flow capacities
- ❑ positive, accurate and sensitive control
- ❑ can be fitted with full or reduced sized valves

max. inlet pressure:  
0.5 bar

relief pressure range:  
0.015 to 0.350 bar  
(dependant upon model)

sizes:  
DN 50, DN 80, DN 100, DN 150, DN 200

temperature range:  
-20°C to +60°C

dimensions and weights		
series 680R MK2 - EVA	face-to-face in mm	weight in kg
DN 50	267	80
DN 80	318	98
DN 100	369	133
DN 150	473	268
DN 200	569	350

## Safety Relief Valves

BD-RMG 680R MK2-EVA

Products of the Bryan Donkin RMG Gas Controls Ltd.

relief pressure range					
relief pressure range in bar	regulator size				
	DN 50	DN 80	DN 100	DN 150	DN 200
0.015 to 0.020	-	-	410 black/gold	-	-
0.015 to 0.040	371 yellow/orange	404 yellow/maroon	-	-	-
0.017 to 0.040	-	-	-	447 silver/lt.blue	-
0.020 to 0.030	-	-	-	-	428 yellow/lt.green
0.020 to 0.040	-	-	412 yellow/gold	-	-
0.025 to 0.400	-	-	-	-	456 silver/lt.green
0.035 to 0.050	-	-	-	421 red/lt.blue	457 stone/lt.green
0.035 to 0.090	415 grey/gold	415 grey/gold	415 grey/gold	-	-
0.060 to 0.090	-	-	-	-	431 grey/lt.green
0.045 to 0.065	-	-	-	-	430 brown/lt.green
0.045 to 0.090	-	-	-	423 grey/lt.blue	-
0.085 to 0.210	454 mauve/maroon	454 mauve/maroon	454 mauve/maroon	446 mauve/lt.blue	446 mauve/lt.blue
0.190 to 0.350	445 stone/orange	445 stone/orange	445 stone/orange	448 stone/lt.blue	448 stone/lt.blue

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- ❑ fully balanced internal double valves assembly
- ❑ extremely high flow capacities
- ❑ positive, accurate and sensitive control
- ❑ can be fitted with full or reduced sized valves

max. inlet pressure:  
8.6 bar

relief pressure range:  
0.207 to 6.206 bar

sizes:  
DN 50, DN 80, DN 100, DN 150

temperature range:  
-20°C to +60°C

<b>relief pressure range</b>		
outlet pressure range in bar	regulator size	
	spring number	spring colour
0.207 to 0.414	655	yellow
0.414 to 0.621	656	grey
0.621 to 1.034	657	blue
1.034 to 2.068	658.	red
2.068 to 3.793	659	brown
3.793 to 5.172	660	black
4.827 to 6.206	659 & 661	brown/white

<b>dimensions and weights</b>		
series 684R	face-to-face in mm	weight in kg
DN 50	267	49
DN 80	318	68
DN 100	369	102
DN 150	473	193