ADL APPENDAGES

PRU-TYPE HIGH-PRESSURE STAINLESS STEEL PRESSURE REGULATOR

FEATURES

The PRU 100, PRU 150, PRU 175 and PRU 200 stainless steel pressure regulators are designed to reduce the pressure of gases and liquids up to 400 bar for the 150/175 models and 240 bar for the 100/200 models. The outlet pressure is adjusted using the handle. The PRU is supplied with two pressure gauges calibrated in bar. It has two rear mounting holes and a fixing ring for panel mounting.
PRU 100 and 200 : diaphragm pressure regulator.
PRU 150 and 175 : piston-type pressure regulator.



DIAMETERS, PORTS AND CONNECTIONS

PRU	100	150	175	200
DN	8		15	
Input/output port	1/4'' NPT		1/2'' NPT	
Pressure gauge ports	1/4'' NPT			

LIMITS OF USE

PRU	100	200	150	175
Fluid PS	240 bar / 3500 psi		400 bar / 6000 psi	
Fluid TS	-40°C / +175°C		-25°C / +75°C	

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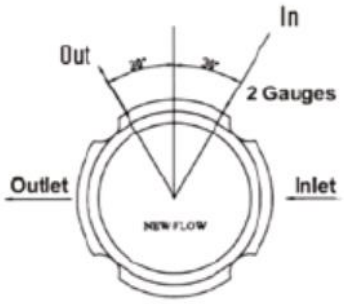
FLOWRATE COEFFICIENTS

PRU	Kv (m^3/h)	Cv (Us)
100	0,051	0,06
200	0,85	1
150	0.05	0,06
175	0,17	0,2

CONSTRUCTION

Name	Material			
PRU	100	200	150	175
Seat	PFA		PEEK	PCTFE
Body	316 stainless steel			
Diaphragm				
Handle	Plastic			

PORT CONFIGURATION



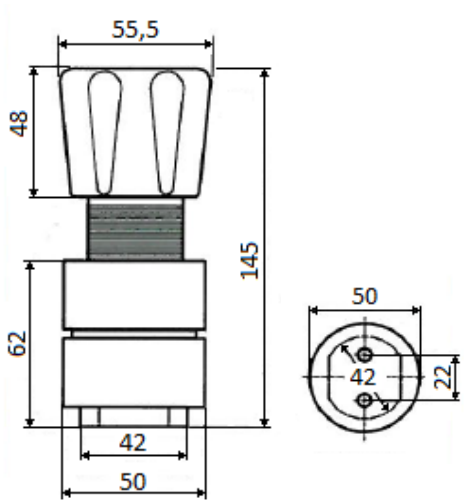
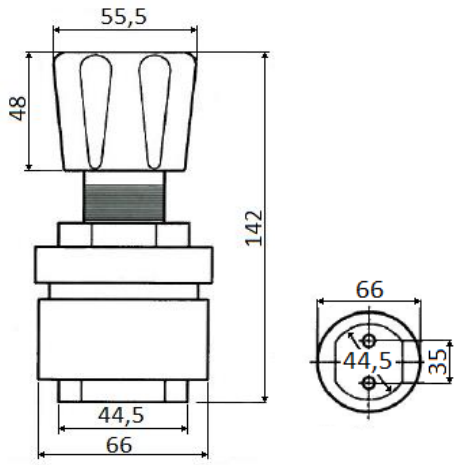
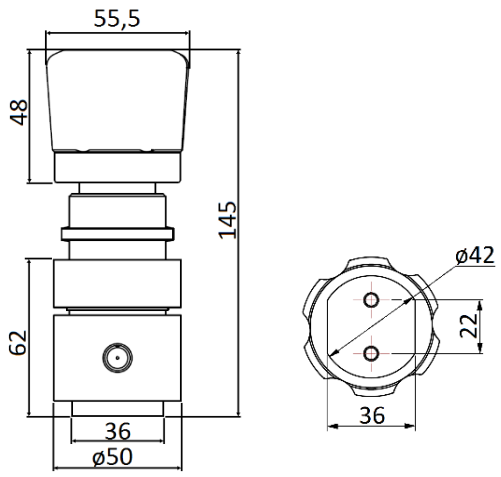
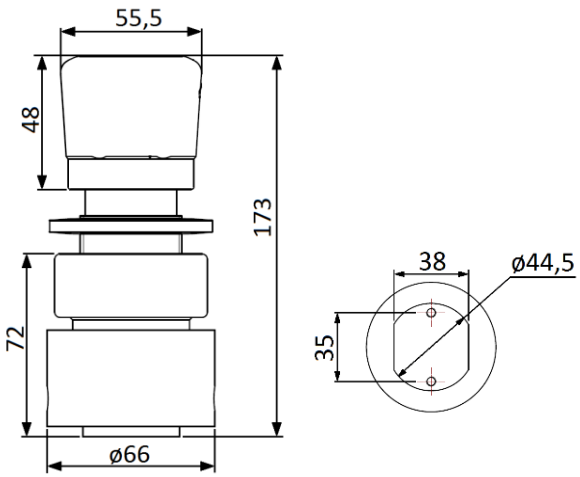
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ADJUSTMENT RANGES

Model	Range			Downstream pressure gauge	Upstream pressure gauge
		bar	psi	bar	bar
PRU 100	1	0,07 - 3,4	1 - 50	0 - 4	0 - 250
	2	0,2 - 17	3 - 250	0 - 25	
	3	0,35 - 34	5 - 500	0 - 40	
PRU 200	1	0,15 - 10	2 - 150	0 - 16	
	2	0,20 - 17	3 - 250	0 - 25	
	3	0,35 - 34	5 - 500	0 - 40	
PRU 150	1	0 - 170	0 - 2500	0 - 200	0 - 500
PRU 175	1				

DIMENSIONS (mm) AND WEIGHT (kg)

PRU 100	PRU 200
	
1,45 kg	2,15 kg
PRU 150	**PRU 175**
	
1,455 kg	3 kg

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INSTALLATION

For use with liquids, it is essential to install an upstream filter with a filtration rating of 200 µm.
Check that the pressure range indicated on the body is suitable for the intended application. Before installation, shut off the upstream and downstream pipework, depressurize the system and allow the unit to reach ambient temperature. Also install a shut-off valve upstream and downstream. Thoroughly clean the pipework of any particles or debris by flushing with water or blowing through with compressed air. Install the pressure regulator in accordance with the direction of the arrow marked on the body. Open the upstream and downstream valves. Use the adjustment knob to set the desired downstream pressure.

SPARES PARTS

Pressure gauge	code
0 - 16 bar	981682
0 - 25 bar	981683
0 - 40 bar	981685
0 - 250 bar	981689

Diaphragm	Model	code
	PRU 100	980010
	PRU 200	980011

Gegevens ter indicatie, wijzigingen voorbehouden.