

**LAROX PVEG AND PVEG-A VALVES – Technical Specification**

<b>MANUAL PVEG and PVEG/C</b>				
Type marking	PVEG50M10	PVEG80M10	PVEG100M10	PVEG150M10
Size (mm)	50	80	100	150
Weight (kg)	6	10	11	26
Pressure class (bar)	10			
Temperature	-50 °C to +70 °C			

<b>AUTOMATIC PVEG-A and PVEG/C-A</b>				
Type marking	PVEG50A6	PVEG80A6	PVEG100A6	PVEG150A6
Size (mm)	50	80	100	150
Weight (kg)	11	18	27	74
Pressure class (bar)	6			
Temperature	-50 °C to +70 °C			

<b>VALVE STRUCTURE</b>	<b>PVEG and PVEG-A</b>	<b>PVEG/C and PVEG/C-A</b>
Sleeve	SBRT	EPDM
Bushing	Bronze	Acid proof
Bolts and nuts	Acid proof	Acid proof
<b>BODY MATERIAL</b>	Polyamide blend, PA6 (DSM)	
Density	1300 kg/m <sup>3</sup>	
Environmental properties	Resistant to: Sunlight Corrosive Liquids Organic Solvents Weak acids and alkalis	
Strenght	Tensile strength, break: 49 MPa Elongation : 250% Tensile Modulus : 900 MPa Flexural Modulus : 1094 MPa Shear Modulus : 450 MPa	
Stiffness – flexular modulus	2500 N/mm <sup>2</sup> @ -29°C 590 N/mm <sup>2</sup> @ 23°C 485 N/mm <sup>2</sup> @ 70°C	
Toughness – Izod impact (DIN 53453, Charpy impact test)	8 kJ/m <sup>2</sup> (brittle) @ -40°C 31 kJ/m <sup>2</sup> (ductile) @ +23°C	

<b>ACTUATOR</b>	<b>PVEG PVEG/C</b>	
<b>Handwheel</b>	Painted (metallic)	Corrosion resistant (polyamide coated)
<b>Cylinder</b>	<b>PVEG PVEG/C</b>	
Cylinder tube / end-blocks	Anodized aluminium / aluminium	
Piston rod	Hard chrome plated steel	
Tie-rods and tie-rod nuts	Zink plated steel	
Cylinder mounting nuts	Acid proof (AISI316)	
Sealings	NBR	
Supply pressure	Min. 6 bar, Max. 10 bar	
Operation	Double acting	