



# LPV profile data

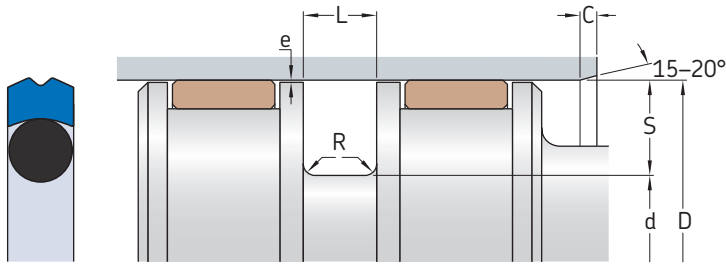


<b>Material codes</b>	Slide ring: PU54/199 Energizer: N70/6052
<b>Pressure</b>	Up to 250 bar (3 625 psi)
<b>Speed</b>	Up to 0,5 m/s (1.6 ft/s)
<b>Temperature range</b>	<p>Temperature range chart showing ranges from -75 to 230 degrees Celsius and Fahrenheit. The chart is divided into five color-coded sections: blue (-75 to -60°C), grey (-60 to -40°C), green (-40 to 90°C), yellow (90 to 210°C), and red (210 to 230°C).</p> <ul style="list-style-type: none"><li> Extreme low temperature range: may be intermittently exposed (e.g. cold start-up) without seal damage, but seal performance may be compromised while in this range</li><li> Temperatures below the recommended operating range: seal performance depends on system design (precision guiding arrangement recommended)</li><li> <b>Recommended operating temperature range for this profile and material</b></li><li> Temperatures above the recommended operating range: acceptable only with reduced pressure, speed, and/or e-gap</li><li> Extreme high temperature range: only occasional short-term exposure (e.g. cylinder in curing oven of a powder coating process)</li></ul>
<b>Dimension standards</b>	Some sizes fit seal housings in accordance with ISO 7425-1.

Maximum values of application parameters (e.g. pressure, speed, temperature, e-gap) should not be applied continuously nor simultaneously.

# LPV profile piston seals, metric sizes

D 25 – 100 mm



### Maximum extrusion gap e

Radial depth S	$e_{max}$ at 80 °C (175 °F) for pressures	
	160 bar	250 bar

mm	mm	
3,75	0,3	0,2
5,5	0,4	0,25
7,75	0,4	0,3
10,5	0,5	0,4

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Dimensions						Designation
D	d	L	S	R	C	
H9	h9	+0,2		max.	min.	
mm						-
25	17,5	3,2	3,75	0,5	2	• LPV 25x17.5x3.2
30	22,5	3,2	3,75	0,5	2	LPV 30x22.5x3.2
32	24,5	3,2	3,75	0,5	2	• LPV 32x24.5x3.2
35	24	4,2	5,5	0,5	2,5	LPV 35x24x4.2
40	29	4,2	5,5	0,5	2,5	• LPV 40x29x4.2
50	39	4,2	5,5	0,5	2,5	• LPV 50x39x4.2
55	44	4,2	5,5	0,5	2,5	LPV 55x44x4.2
60	49	4,2	5,5	0,5	2,5	LPV 60x49x4.2
63	52	4,2	5,5	0,5	2,5	• LPV 63x52x4.2
65	54	4,2	5,5	0,9	2,5	LPV 65x54x4.2
70	59	4,2	5,5	0,9	2,5	LPV 70x59x4.2
80	64,5	6,3	7,75	0,9	4	• LPV 80x64.5x6.3
90	74,5	6,3	7,75	0,9	4	LPV 90x74.5x6.3
100	84,5	6,3	7,75	0,9	4	• LPV 100x84.5x6.3

Other sizes are available on request

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