



DPV profile data

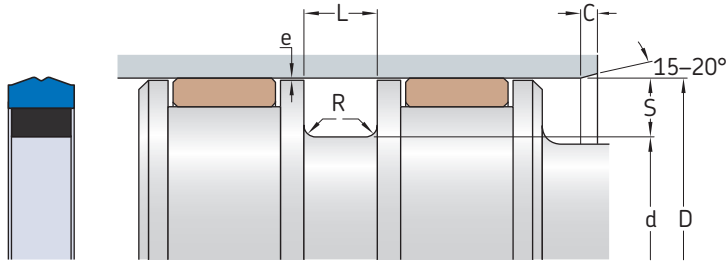


Material codes	Slide ring: X-ECOPUR PS Energizer: A-8501
Pressure	Up to 400 bar (5 800 psi)
Speed	Up to 1 m/s (3.2 ft/s)
Temperature range	<p> ■ Extreme low temperature range: may be intermittently exposed (e.g. cold start-up) without seal damage, but seal performance may be compromised while in this range ■ Temperatures below the recommended operating range: seal performance depends on system design (precision guiding arrangement recommended) ■ Recommended operating temperature range for this profile and material ■ Temperatures above the recommended operating range: acceptable only with reduced pressure, speed, and/or e-gap ■ Extreme high temperature range: only occasional short-term exposure (e.g. cylinder in curing oven of a powder coating process) </p>

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

DPV profile piston seals, inch sizes

D 1 – 6.002 in.



Maximum extrusion gap e

Radial depth S	Series	e_{max} at 80 °C (175 °F) for pressures		
		2 300 psi	3 600 psi	5 800 psi
in.	–	in.		
0.125	2	0.012	0.008	–
0.187	3	0.018	0.012	0.008
0.25	4	0.022	0.016	0.01

Dimensions							Designation
D +0.002	d	Tolerance	L +0.005	S	R max.	C min.	
in.							–
1	0.758	-0.002	0.187	0.125	0.02	0.125	DPV-210-K0M
1.5	1.258	-0.002	0.187	0.125	0.02	0.125	DPV-218-K0M
1.75	1.508	-0.002	0.187	0.125	0.02	0.125	DPV-222-K0M
2	1.63	-0.002	0.281	0.187	0.025	0.156	DPV-326-K0M
2.25	1.88	-0.002	0.281	0.187	0.025	0.156	DPV-328-K0M
2.5	2.13	-0.002	0.281	0.187	0.025	0.156	DPV-330-K0M
2.75	2.38	-0.002	0.281	0.187	0.025	0.156	DPV-332-K0M
3	2.63	-0.002	0.281	0.187	0.025	0.156	DPV-334-K0M
3.5	3.13	-0.002	0.281	0.187	0.025	0.156	DPV-338-K0M
3.75	3.38	-0.002	0.281	0.187	0.025	0.156	DPV-340-K0M
4	3.63	-0.002	0.281	0.187	0.025	0.156	DPV-342-K0M
4.5	4.13	-0.002	0.281	0.187	0.025	0.156	DPV-346-K0M
5	4.63	-0.002	0.281	0.187	0.025	0.156	DPV-350-K0M
5.502	5.028	-0.004	0.375	0.25	0.032	0.187	DPV-429-K0M
6.002	5.528	-0.004	0.375	0.25	0.032	0.187	DPV-433-K0M

Other sizes are available on request

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