


## DPV profile data

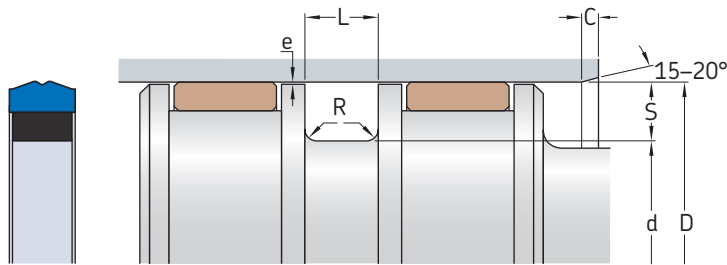


<b>Material codes</b>	Slide ring: X-ECOPUR PS Energizer: A-8501
<b>Pressure</b>	Up to 400 bar (5 800 psi)
<b>Speed</b>	Up to 1 m/s (3.2 ft/s)
<b>Temperature range</b>	 <p> <span style="color: blue;">■</span> Extreme low temperature range: may be intermittently exposed (e.g. cold start-up) without seal damage, but seal performance may be compromised while in this range  <span style="color: gray;">■</span> Temperatures below the recommended operating range: seal performance depends on system design (precision guiding arrangement recommended)  <span style="color: green;">■</span> <b>Recommended operating temperature range for this profile and material</b>  <span style="color: yellow;">■</span> Temperatures above the recommended operating range: acceptable only with reduced pressure, speed, and/or e-gap  <span style="color: red;">■</span> 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 Series  $e_{max}$  at 80 °C (175 °F)  
depth for pressures  
S 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.	Designation
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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