







Piston Seals

Profile	Type	Standard Material	Pressure (bar) ¹	Temperature (°C) ¹	Sliding Speed (m/sec) ¹	Description
	KGD	NBR Polyester Elastomer Polyacetal	400	-40 to 110	0,5	double-acting piston seal, 5-piece
	KD2	NBR Polyester Elastomer Polyacetal	700	-30 to 110	0,5	double-acting piston seal, 5-piece
	KD3	NBR-Fabric Polyacetal	500	-30 to 110	0,5	double-acting piston seal, 3-piece
	KD4	NBR-Fabric Polyacetal	350	-30 to 110	0,8	double-acting piston seal, 3-piece
	KD6	Polyurethane NBR Polyacetal	400	-30 to 110	0,6	compact piston seal, 4-piece
	KD8	PTFE-Compound NBR Polyacetal	400	-30 to 110	1,5	compact piston seal, 4-piece
	NPS	PTFE-Compound O-ring NBR / FKM	800	-30 to 110 -30 to 200	15	double-acting piston seal, 2-piece
	KSO	PTFE-Compound O-ring NBR / FKM X-Ring NBR / FKM	400	-30 to 200	2	double-acting piston seal, 3-piece
	KSO2	PTFE-Compound O-ring NBR / FKM X-Ring NBR / FKM	600	-30 to 200	3	double-acting piston seal, 4-piece
	NPW KPD	Polyurethane O-ring NBR	400	-30 to 100	0,5	double-acting piston seal, 2-piece
	KPR	Polyurethane Ring NBR	400	-30 to 100	0,5	double-acting piston seal, 2-piece
	KE1 KD	Polyurethane	400	-40 to 100	0,5	single-acting piston seal with asymmetric lip shape
	KE1/S KDA	Polyurethane	450	-40 to 100	0,5	single-acting piston seal with asymmetric lip shape and back-up ring
	T11 UP	Polyurethane Polyacetal	400	-40 to 100	0,5	single-acting piston groove ring with symmetric lip shape
	KE2 KDF	Polyurethane Polyacetal	450	-40 to 100	0,5	single-acting piston seal with guide ring
	KE3	NBR-Fabric Polyacetal-Support Ring	700	-30 to 110	0,5	single-acting piston seal, 2-piece
	KE5	NBR-Fabric Polyacetal Support and Guide Ring	450	-30 to 110	0,5	single-acting piston seal, 2-piece with support and guide ring
	KE6	NBR-Fabric	700	-30 to 110	0,5	single-acting piston seal, 2-piece
	VP3	NBR-Fabric FKM-Fabric	400	-30 to 110 -30 to 140	0,5	single-acting piston seal, 3-piece chevron-type seal
	VP4	NBR-Fabric FKM-Fabric	400	-30 to 110 -30 to 140	0,5	single-acting piston seal, 4-piece chevron-type seal
	NPR	PTFE-Compound O-ring NBR / FKM	800	-30 to 110 -30 to 200	15	single-acting piston seal, 2-piece