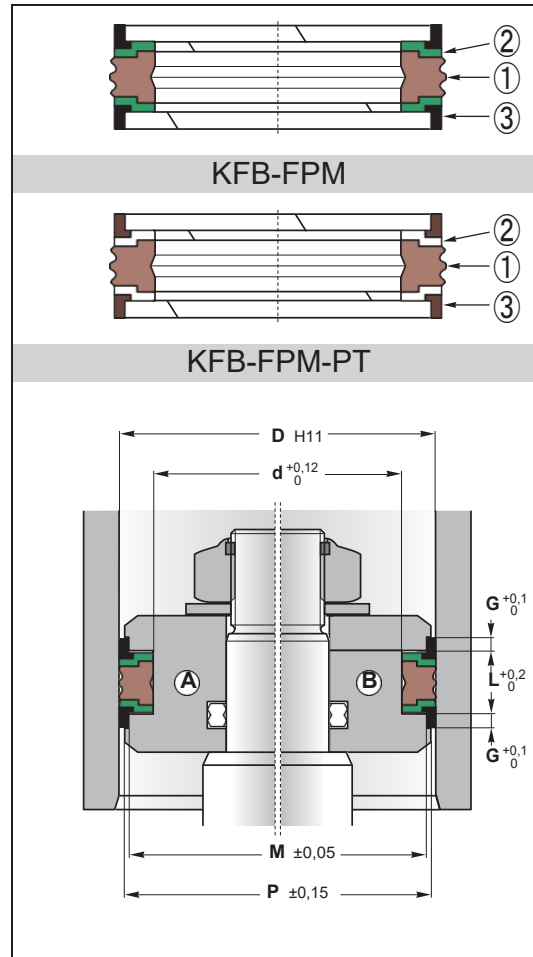
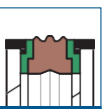


KFB-FPM

FPM double acting piston seal with guide rings



KFB-FPM is especially suitable for applications where there is contact with aggressive fuels and chemicals.

The piston seal **KFB-FPM** is a double acting seal and guide element composed of a FPM sealing element, two TPE anti-extrusion rings and two POM guide rings.

The piston seal **KFB-FPM-PT** is a double acting seal and guide element composed of a FPM sealing element, two PTFE virgin anti-extrusion rings and two PTFE bronze guide rings.

The sealing ring has a low compression set which ensures good sealing performance. It is designed with three seal edges which share the load against the cylinder tube. The three seal edges also form two cavities which keep small quantities of fluid that **increase the service life**. The design of the static side provides a wide contact area and prevents distortion inside the groove during installation.

The back-up rings prevent extrusion into the gap and **avoid the rotation** of the rubber part. The function of the guide rings is to guide the piston in the cylinder tube and to support radial load. This piston seal is available in different profiles depending on the existing installation groove.

Operating conditions

Pressure	≤ 35 MPa
Temperature	
KFB-FPM	-10°C to 120°C
KFB-FPM-PT	-10°C to 200°C
Speed	≤ 0,5 m/s

Materials

Seal ①	FPM
Anti-extrusion rings ②	
KFB-FPM	TPE63
KFB-FPM-PT	PT01
Guide rings ③	
KFB-FPM	POM/GF1
KFB-FPM-PT	PT55

Assembly

- On one-piece pistons (A)
- On two-piece pistons (B)

Advantages

- Excellent resistance to chemical agents for KFB-FPM-PT
- Large temperature range for KFB-FPM-PT
- Efficient sealing at high and low pressure
- Easy installation on monobloc pistons
- Guiding and sealing are performed by the seal
- Good results with drawn tubes
- Simple design for one piece pistons

Please contact us for applications approaching maximum values.

KFB-FPM

D	d	L	G	M	P	Reference
40	30	16,4	6,35	35,4	38,5	KFB-4030-FPM
50	34	18,4	6,35	45,41	48,66	KFB-5034-FPM
60	44	18,4	6,35	55,39	58,65	KFB-6044-FPM
63	47	18,4	6,35	58,39	61,63	KFB-6347-FPM
70	50	22,4	6,35	64,18	68,34	KFB-7050-FPM
80	60	22,4	6,35	74,16	78,34	KFB-8060-FPM
90	70	22,4	6,35	84,15	88,31	KFB-9070-FPM
100	75	22,4	6,35	93,14	98,05	KFB-10075-FPM
110	85	22,4	6,35	103,1	108	KFB-11085-FPM

KFB-FPM-PT

D	d	L	G	M	P	Reference
40	30	16,4	6,35	35,4	38,5	KFB-4030-FPM-PT
50	34	18,4	6,35	45,41	48,66	KFB-5034-FPM-PT
60	44	18,4	6,35	55,39	58,65	KFB-6044-FPM-PT
63	47	18,4	6,35	58,39	61,63	KFB-6347-FPM-PT
70	50	22,4	6,35	64,18	68,34	KFB-7050-FPM-PT
80	60	22,4	6,35	74,16	78,34	KFB-8060-FPM-PT
90	70	22,4	6,35	84,15	88,31	KFB-9070-FPM-PT
100	75	22,4	6,35	93,14	98,05	KFB-10075-FPM-PT