



ASU-FPM wiper has two different functions. It prevents introduction of dust, dirt and foreign matter into the system and on the medium side retains the residual oil film from the extending piston rod.

On the static surface, the sealing is achieved by contact of the flexible outside lip with the housing. The dynamic lip is shorter and stronger to concentrate load against the dynamic surface.

The scraper is preferably used in conjunction with seals with a hydrodynamic **back-pumping function**.

For assembly B (see picture) a drainage channel must be opened in this area.

The material used for this wiper is a fluorocarbon elastomer, especially suited for processes at higher temperatures. While also having **better resistance** to a wide range of more aggressive fuels and chemicals, its mechanical properties are not that good. (f.ex. compression set)

Operating conditions

Temperature -10°C to 180°C
 Speed ≤ 0,8 m/s

Materials

Elastomer FPM 90 Sh A

Assembly

The wipers may easily be mounted into the grooved housing

Advantages

- Good protection of the housing against external intrusion
- Reduced oil film leakage
- Easy to assemble
- Small housing
- Simple groove construction
- Up to 180°C
- Resistant to aggressive fuels and chemicals

Please contact us for applications approaching maximum values.

FPM seals

d	D	L	C	F	G	E	H	Reference
20	28	4	26	23,5	6	2	8	ASU-20-FPM
22	30	4	28	25,5	6	2	8	ASU-22-FPM
25	33	4	31	28,5	6	2	8	ASU-25-FPM
28	36	4	34	31,5	6	2	8	ASU-28-FPM
30	38	4	36	33,5	6	2	8	ASU-30-FPM
36	44	4	42	39,5	6	2	8	ASU-36-FPM
40	48	4	46	43,5	6	2	8	ASU-40-FPM
45	53	4	51	48,5	6	2	8	ASU-45-FPM
50	58	4	56	53,5	6	2	8	ASU-50-FPM
56	64	4	62	59,5	6	2	8	ASU-56-FPM
60	68	4	66	63,5	6	2	8	ASU-60-FPM
70	78	4	76	73,5	6	2	8	ASU-70-FPM
80	88	4	86	83,5	6	2	8	ASU-80-FPM
90	98	4	96	93,5	6	2	8	ASU-90-FPM
100	108	4	106	103,5	6	2	8	ASU-100-FPM
110	122	5,5	119	115	8,2	3	11	ASU-110-FPM
120	132	5,5	129	125	8,2	3	11	ASU-120-FPM