



**AWR-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** or 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**

- Reduced oil film leakage on the rod
- Easy to assemble
- Simple groove construction
- Up to 180°C
- Resistant to aggressive fuels and chemicals

**Please contact us for applications approaching maximum values.**

FPM seals						Reference
d	D	L	C	H	ISO 6195C	
12	18	4	14,5	5,5	•	AWR-12-ISO-FPM
14	20	4	16,5	5,5	•	AWR-14-ISO-FPM
22	28	4	24,5	5,5	•	AWR-22-ISO-FPM
28	36	5	31	7	•	AWR-28-ISO-FPM
36	44	5	39	7	•	AWR-36-ISO-FPM
40	48	5	43	7	•	AWR-40-ISO-FPM
45	53	5	48	7	•	AWR-45-ISO-FPM
50	58	5	53	7	•	AWR-50-ISO-FPM
56	66	6	59	7,5	•	AWR-56-ISO-FPM
63	73	6	66	7,5	•	AWR-63-ISO-FPM
70	80	6	73	7,5	•	AWR-70-ISO-FPM
80	90	6	83	7,5	•	AWR-80-ISO-FPM
90	100	6	93	7,5	•	AWR-90-ISO-FPM
100	112,2	7,1	106	12	•	AWR-393440-FPM