

Wiper type 006P PUR

Type 006P is a single acting wiper ensuring that foreign particles are not introduced into the hydraulic systems, avoiding wear and damage to all the internal components including seals.



Characteristics

Type: 006P

Groove type: Closed

Principle of operation: Single acting

Maximum speed: 1 m/s

Application

- Construction machinery, forklift-trucks, injection moulding machines, agricultural machinery and standard cylinders.

Technical Information

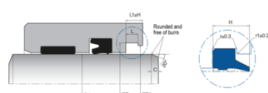
- Very good wiping performance
- Simple, easy-construction groove
- Wide range of dimensions
- No twisting in the housing
- Easy installation
- Specially designed to prevent big particles to go into the system
- Used in heavy conditions by the good mechanical properties of Polyurethane material.

Operating Principle

- Generally, wiper can be easily fitted into the closed housing by deforming into a kidney shape. It is very important that the assembly tools must be of soft material and have no sharp edges. Before installation the wiper must be oiled with system oil.

Options

- Type 006 wipers are single acting and can be used with combination of all rod sealing elements. Type 006 wipers can be produced on request in FKM material for special applications that require high temperatures.



Operating conditions			
Media	Mineral Oils [DIN 51524]	HFA and HFB	HFC
Temperature	-30°C + 100°C	+5°C + 50°C	-30°C + 40 °C
Speed	≤1,0 m/s	≤1,0 m/s	≤1,0 m/s

Note: The above data are maximum values, they may only be maintained for short periods of time and cannot be used at the same time simultaneously.

Surface roughness			
	Ra		Rmax
Sliding Surface	≤0,4 µm		≤3,2 µm
Groove Base	≤1,6 µm		≤10 µm
Groove Flanks	≤3,2 µm		≤16 µm

Hardware tolerances				
Dimension	Ød	ØD	ØD1	L
Tolerance	f8	H10	H11	+0,2/-0 mm

Rod diameter	Groove diameter	Groove width	Seal height	Material seal	Temperature range	Article
mm	mm	mm	mm		°C	Max. 200 articles in the table
5	12	2.8	4	PUR	-30 / 100	14193431
8	14.6	3.8	4.5	PUR	-30 / 100	11337263

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Rod diameter	Groove diameter	Groove width	Seal height	Material seal	Temperature range	Article
mm	mm	mm	mm		°C	Max. 200 articles in the table
10	16	3.8	5	PUR	-30 / 100	14193433
10	18	5.3	8	PUR	-30 / 100	14193432
12	18	3.7	5.5	PUR	-30 / 100	14193434
12	18.6	3.8	5	PUR	-30 / 100	11337265
14	18.6	2.3	3.3	PUR	-30 / 100	14193435
14	20.6	3.8	5	PUR	-30 / 100	10018037
15	21.8	3.8	5	PUR	-30 / 100	14193436
15	27.3	5.3	7	PUR	-30 / 100	14193437
16	22.6	3.7	5.5	PUR	-30 / 100	14193439
16	22.6	3.9	5	PUR	-30 / 100	14193440
16	22.8	3.1	4	PUR	-30 / 100	14193441
16	24.6	5.3	7	PUR	-30 / 100	14193438
18	24	3.8	5	PUR	-30 / 100	14193443
18	26.6	5.3	7	PUR	-30 / 100	14193442
19.05	28.49	4.76	7.15	PUR	-30 / 100	14193444
20	25	4.3	6	PUR	-30 / 100	14193446
20	28.6	5.3	7	PUR	-30 / 100	14193445
20	30	5.3	7	PUR	-30 / 100	14193447
22	30.2	2.3	3.5	PUR	-30 / 100	14193450
22	30.6	5.3	7	PUR	-30 / 100	14193448
22.22	31.75	4.74	7.1	PUR	-30 / 100	14193449
22.4	31.2	5.3	6.5	PUR	-30 / 100	14193451
24	32	2.3	3.5	PUR	-30 / 100	14193452
24	32.6	5.3	7	PUR	-30 / 100	11164665
25	30	4.3	6	PUR	-30 / 100	14193456
25	30	4.8	6.5	PUR	-30 / 100	14193455
25	33.6	5.3	7	PUR	-30 / 100	14193453
25.4	34.93	4.76	7.15	PUR	-30 / 100	14193454
27	35	5.3	7	PUR	-30 / 100	14193457
28	32.6	2.7	4.2	PUR	-30 / 100	14193459
28	36.6	5.3	7	PUR	-30 / 100	14193458
30	38.6	5.3	7	PUR	-30 / 100	14193460
30	40.2	3.1	4	PUR	-30 / 100	14193462
30	45	5.3	8	PUR	-30 / 100	14193461
31.75	41.27	4.76	7.15	PUR	-30 / 100	11311263
32	40.2	3.8	5	PUR	-30 / 100	14193464
32	40.6	5.3	7	PUR	-30 / 100	14193463
33	42	5.3	7	PUR	-30 / 100	14193465
34.92	44.45	4.76	7.15	PUR	-30 / 100	10017795
35	40.2	3.8	5	PUR	-30 / 100	14193467
35	43.6	5.3	7	PUR	-30 / 100	14193466
36	44.6	5.3	7	PUR	-30 / 100	14193468
38	44	5	7	PUR	-30 / 100	14193469
38	46.6	5.3	7	PUR	-30 / 100	12961448
38.1	47.62	4.76	7.15	PUR	-30 / 100	10017796
40	48.6	4.3	7	PUR	-30 / 100	14193470
40	48.6	5.3	7	PUR	-30 / 100	10017968
40	50.6	5.3	7	PUR	-30 / 100	14193472
40	52.2	5.3	8	PUR	-30 / 100	14193471
42	50.6	5.3	7	PUR	-30 / 100	13033014
44.45	53.97	4.76	7.15	PUR	-30 / 100	10017797
45	53.6	5.3	7	PUR	-30 / 100	11457037
45	55.6	5.3	7	PUR	-30 / 100	14193473

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Rod diameter	Groove diameter	Groove width	Seal height	Material seal	Temperature range	Article
mm	mm	mm	mm		°C	Max. 200 articles in the table
45	60	4.3	6	PUR	-30 / 100	14193474
46	54	5.3	7	PUR	-30 / 100	14193475
48	56.6	5.3	7	PUR	-30 / 100	14193476
50	58.4	4	7	PUR	-30 / 100	14193479
50	58.6	4.3	6	PUR	-30 / 100	14193478
50	58.6	5.3	7	PUR	-30 / 100	11241650
50	60.6	5.3	7	PUR	-30 / 100	14193477
50	65.6	4.3	6	PUR	-30 / 100	14193480
50.8	63.5	6.35	9.52	PUR	-30 / 100	10017799
53	61.6	5.3	7	PUR	-30 / 100	14193481
55	63.6	5.3	7	PUR	-30 / 100	13221511
55	65.6	5.3	7	PUR	-30 / 100	14193482
55	67.2	7.2	12	PUR	-30 / 100	14193483
56	64.6	5.3	7	PUR	-30 / 100	11652644
56	66.6	5.3	7	PUR	-30 / 100	10017972
57.15	69.85	6.35	9.52	PUR	-30 / 100	10017800
58	68.6	5.3	7	PUR	-30 / 100	14193484
60	68.6	5.3	7	PUR	-30 / 100	11241653
60	70.3	7.2	10	PUR	-30 / 100	14193486
60	70.6	5.3	7	PUR	-30 / 100	14193485
60	70.6	6.3	10	PUR	-30 / 100	14193487
60.32	73.02	6.42	9.52	PUR	-30 / 100	14193488
61	69.6	5.3	7	PUR	-30 / 100	14193489
63	71.6	5.3	7	PUR	-30 / 100	14193491
63	73	6	8	PUR	-30 / 100	14193493
63	73.6	5.3	7	PUR	-30 / 100	14193490
63.5	76.12	6.35	9.52	PUR	-30 / 100	14193492
65	73.6	5.3	7	PUR	-30 / 100	14193494
65	75.6	5.3	7	PUR	-30 / 100	10017975
65	76	6.1	7	PUR	-30 / 100	14193496
65	77.2	7.2	12	PUR	-30 / 100	14193495
68	76.6	5.3	7	PUR	-30 / 100	14193497
69.72	79.62	4.76	6.35	PUR	-30 / 100	14193498
70	78.6	5.3	7	PUR	-30 / 100	13221510
70	80	6.8	8	PUR	-30 / 100	14193502
70	80.6	5.3	7	PUR	-30 / 100	14193499
70	80.6	7.2	10	PUR	-30 / 100	14193500
70	82.6	7.2	12	PUR	-30 / 100	14193501
73	81.6	5.3	7	PUR	-30 / 100	14193503
73	83.6	7.3	12	PUR	-30 / 100	14193504
74	82	5.3	7	PUR	-30 / 100	14193505
75	83.2	5.3	7	PUR	-30 / 100	14193507
75	85	6.8	8	PUR	-30 / 100	14193508
75	87.2	7.2	12	PUR	-30 / 100	14193506
76	84.6	5.3	7	PUR	-30 / 100	14193510
76.2	88.8	6.35	9.52	PUR	-30 / 100	14193509
78	86	5.2	7	PUR	-30 / 100	14193513
78	88	5.5	7	PUR	-30 / 100	14193512
78	92.2	7.3	12	PUR	-30 / 100	14193511
80	90	6.8	8	PUR	-30 / 100	14193516
80	90.2	6.3	9	PUR	-30 / 100	14193515
80	92.2	7.2	12	PUR	-30 / 100	14193514
85	93.6	5.3	7	PUR	-30 / 100	14193518

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Rod diameter	Groove diameter	Groove width	Seal height	Material seal	Temperature range	Article
mm	mm	mm	mm		°C	Max. 200 articles in the table
85	95	5.3	7	PUR	-30 / 100	14193519
85	95	6.8	8	PUR	-30 / 100	14193520
85	97.2	7.2	12	PUR	-30 / 100	14193517
88	96.6	5.3	7	PUR	-30 / 100	14193522
88.9	101.5	6.35	9.52	PUR	-30 / 100	14193521
90	98	5.3	7	PUR	-30 / 100	14193525
90	100	6.3	9	PUR	-30 / 100	14193526
90	100	6.8	8	PUR	-30 / 100	14193528
90	100.6	7.3	12	PUR	-30 / 100	14193524
90	102	6.1	8	PUR	-30 / 100	14193527
90	102.2	7.2	12	PUR	-30 / 100	14193523
91	99.6	5.3	7	PUR	-30 / 100	12972512
95	103.6	5.3	7	PUR	-30 / 100	12961457
95	105.2	6.35	8	PUR	-30 / 100	14193530
95	107.2	7.2	12	PUR	-30 / 100	14193529
95.12	105.62	4.76	6.35	PUR	-30 / 100	14193531
97	104.9	5	7	PUR	-30 / 100	14193532
100	110	6.8	8	PUR	-30 / 100	14193535
100	112.2	7.2	12	PUR	-30 / 100	14193533
100	115.2	9.5	13	PUR	-30 / 100	14193534
101.6	114.3	6.35	9.52	PUR	-30 / 100	10017807
104	112	5.3	7	PUR	-30 / 100	14193536
105	113.6	5.3	7	PUR	-30 / 100	12956379
105	117.2	7.2	12	PUR	-30 / 100	14193537
105	120.4	7.5	9.5	PUR	-30 / 100	14193538
106	118	6	9	PUR	-30 / 100	14193539
107	115.6	5.3	7	PUR	-30 / 100	14193540
110	122.2	7.2	12	PUR	-30 / 100	14193541
110	125	9.8	14	PUR	-30 / 100	14193542
110	125.2	9.5	13	PUR	-30 / 100	14193543
112	124.2	7.3	12	PUR	-30 / 100	14193544
113	125	7.3	12	PUR	-30 / 100	14193545
115	123.2	5.3	7	PUR	-30 / 100	14193547
115	127.2	7.2	12	PUR	-30 / 100	14193546
117	133	6.3	9	PUR	-30 / 100	14193548
118	126	5	7	PUR	-30 / 100	14193549
120	128.6	5.3	7	PUR	-30 / 100	12961442
120	130	5.3	7	PUR	-30 / 100	14193552
120	132.2	7.2	12	PUR	-30 / 100	14193550
120.52	130.42	4.77	6.35	PUR	-30 / 100	14193551
122	128.7	4.3	7	PUR	-30 / 100	14193553
123	131	5.3	7	PUR	-30 / 100	14193554
125	133.6	5.3	7	PUR	-30 / 100	12961443
125	137.6	7.2	12	PUR	-30 / 100	14193556
125	138	7.8	10	PUR	-30 / 100	14193558
125	140	9.3	15	PUR	-30 / 100	14193557
125	140	10.2	16	PUR	-30 / 100	14193555
126	134.6	5.3	7	PUR	-30 / 100	14193559
127	146.05	9.52	12.7	PUR	-30 / 100	10017808
128	140.2	7.3	12	PUR	-30 / 100	14193560
130	142.6	7.2	12	PUR	-30 / 100	14193561
135	147	7.2	12	PUR	-30 / 100	14193562
140	148.6	5.3	7	PUR	-30 / 100	14193569

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Rod diameter	Groove diameter	Groove width	Seal height	Material seal	Temperature range	Article
mm	mm	mm	mm		°C	Max. 200 articles in the table
140	148.6	6	8	PUR	-30 / 100	14193566
140	152.2	7.3	12	PUR	-30 / 100	14193567
140	153	7.8	10	PUR	-30 / 100	14193568
140	155	8.9	14	PUR	-30 / 100	14193564
140	155	9	12	PUR	-30 / 100	14193565
140	155	10.2	16	PUR	-30 / 100	14193563
142	149	4.3	7	PUR	-30 / 100	14193570
142	150.7	5.3	7	PUR	-30 / 100	14193571
142	154	7.3	12	PUR	-30 / 100	14193572
143	151	5.5	7	PUR	-30 / 100	14193573
145	153.6	5.3	7	PUR	-30 / 100	14193574
145	157.2	7.3	12	PUR	-30 / 100	14193577
145	160.2	9.3	16	PUR	-30 / 100	14193575
145.92	156.42	4.76	6.35	PUR	-30 / 100	14193576
150	162	7.2	12	PUR	-30 / 100	14193579
150	165	10.2	16	PUR	-30 / 100	14193578
155	169.6	6.8	10	PUR	-30 / 100	14193581
155	170	10.2	16	PUR	-30 / 100	14193580
160	168	5.3	7	PUR	-30 / 100	14193583
160	172	7.2	12	PUR	-30 / 100	14193582
160	173	7.8	10	PUR	-30 / 100	14193585
160	175	5.2	8.5	PUR	-30 / 100	14193586
160	175	9.5	13	PUR	-30 / 100	14193584
160	175	10.2	16	PUR	-30 / 100	10017988
163	175.8	7.3	12	PUR	-30 / 100	14193587
165	173.6	5.3	7	PUR	-30 / 100	14193588
170	180.6	5.3	7	PUR	-30 / 100	14193592
170	182	10.3	16	PUR	-30 / 100	14193590
170	182.2	7.2	12	PUR	-30 / 100	14193591
170	185	5.2	8.5	PUR	-30 / 100	14193593
170	185	10.2	16	PUR	-30 / 100	14193589
171	186.2	10.3	16	PUR	-30 / 100	14193594
171.32	181.82	4.76	6.35	PUR	-30 / 100	14193595
171.45	184.15	6.3	9.9	PUR	-30 / 100	14193596
172	184	7.3	12	PUR	-30 / 100	14193597
180	200	10.2	18	PUR	-30 / 100	10017989
200	220	10.2	18	PUR	-30 / 100	10017991
230	250	10.2	18	PUR	-30 / 100	11461485

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