Hydraulically-Driven, Polyproplene

Series 9303P

Upgrade Options:

- Increase dry-run and abrasive resistance with Life Guard Seals
  - Life Guard seals are the OEM standard

Features

- Hydraulic motor drive (for open center, closed center and load-sensing systems)
- Port sizes: 1-1/2" NPT inlet, 1-1/4" NPT outlet
- Max. fluid temperature: 140°F/60°C
- Housing: Polypropylene
- Impeller: Polypropylene
- Motor: internal gear gerotor
- Hydraulic ports: 1/2" NPT inlet, 3/4" NPT outlet
- Pump seals: Viton®/ceramic standard; Life Guard silicon carbide (B) available
- Life Guard seals are the industry standard on OEM equipment
- Hydraulic motor seal: double-lip Teflon® and case drain available
- Max. motor psi: 3000 (bar: 207)
- Weight: 21 lbs./9.5 kg

Order Information

Model Number	Max GPM	Max LPM	Max PSI	Max BAR	Max Hyd. GPM	Max Hyd. LPM	Hydraulic Selection System
9303P-HM1C	110	416	130	9.0	13	49.2	Open/Closed
9303P-HM2C	82	310	95	6.5	6	22.7	Open/Closed
9303P-HM3C	110	416	93	6.4	24	90.8	Open/Closed
9303P-HM4C	82	310	84	5.3	7	26.5	Open/Closed
9303P-HM5C	113	427	120	8.3	16	60.5	Open/Closed
3430-0445	Seal and o-ring repair kit						
3430-0593	Life Guard silicon carbide seal kit						

Life Guard silicon carbide seal - Add suffix "B" (i.e.: 9303P-HM1C-B)

Teflon® is a registered trademark of E.I. DuPont de Nemours and Co.
Viton® is a registered trademark of DuPont. Hypro® is a registered trademark of Pentair.

9303P-HM1C — U.S. Units

Hyd. Flow GPM	GPM at 10 PSI	GPM at 20 PSI	GPM at 30 PSI	GPM at 40 PSI	GPM at 50 PSI	GPM at 60 PSI	GPM at 70 PSI	GPM at 80 PSI	GPM at 90 PSI	GPM at 100 PSI	GPM at 110 PSI	GPM at 120 PSI
11	93	90	86	80	74	67	59	49	36	18		
12	102	99	95	91	87	81	74	66	55	39	19	
13	109	106	103	99	94	88	82	74	65	54	42	28

9303P-HM1C — Metric Units

Hyd. Flow LPM	LPM at 0.7 BAR	LPM at 1.4 BAR	LPM at 2.1 BAR	LPM at 2.8 BAR	LPM at 3.4 BAR	LPM at 4.1 BAR	LPM at 4.8 BAR	LPM at 5.5 BAR	LPM at 6.2 BAR	LPM at 6.9 BAR	LPM at 7.6 BAR	LPM at 8.3 BAR
41.6	352	341	326	303	280	254	223	185	136	68		
45.4	386	375	360	344	329	307	280	250	208	148	72	
49.2	413	401	390	375	356	333	310	280	246	204	159	106

9303P-HM2C — U.S. Units

Hyd. Flow GPM	GPM at 10 PSI	GPM at 20 PSI	GPM at 30 PSI	GPM at 40 PSI	GPM at 50 PSI	GPM at 60 PSI	GPM at 70 PSI	GPM at 80 PSI	GPM at 90 PSI
5	65	56	46	38	20				
6	74	72	64	56	48	38	21		
7	80	75	70	62	57	48	40	28	9

9303P-HM2C — Metric Units

Hyd. Flow LPM	LPM at 0.7 BAR	LPM at 1.4 BAR	LPM at 2.1 BAR	LPM at 2.8 BAR	LPM at 3.4 BAR	LPM at 4.1 BAR	LPM at 4.8 BAR	LPM at 5.5 BAR	LPM at 6.2 BAR
18.9	246	212	174	144	76				
22.7	280	273	242	212	182	144	79		
26.5	303	284	265	235	216	182	151	106	34

9303P-HM3C — U.S. Units

Hyd. Flow GPM	GPM at 10 PSI	GPM at 20 PSI	GPM at 30 PSI	GPM at 40 PSI	GPM at 50 PSI	GPM at 60 PSI	GPM at 70 PSI	GPM at 80 PSI	GPM at 90 PSI
15	85	80	70	60	44				
18	100	97	92	84	76	63	48		
20	109	108	104	99	90	82	71	60	39

9303P-HM3C — Metric Units

Hyd. Flow LPM	LPM at 0.7 BAR	LPM at 1.4 BAR	LPM at 2.1 BAR	LPM at 2.8 BAR	LPM at 3.4 BAR	LPM at 4.1 BAR	LPM at 4.8 BAR	LPM at 5.5 BAR	LPM at 6.2 BAR
56.8	322	303	265	227	167				
68.1	379	367	348	318	288	238	182		
75.7	413	409	394	375	341	310	269	227	148

9303P-HM4C — U.S. Units

Hyd. Flow GPM	GPM at 10 PSI	GPM at 20 PSI	GPM at 30 PSI	GPM at 40 PSI	GPM at 50 PSI	GPM at 60 PSI	GPM at 70 PSI	GPM at 80 PSI
5	60	52	41	26				
6	70	66	58	48	37	21		
7	80	76	70	63	55	45	32	15

9303P-HM4C — Metric Units

Hyd. Flow LPM	LPM at 0.7 BAR	LPM at 1.4 BAR	LPM at 2.1 BAR	LPM at 2.8 BAR	LPM at 3.4 BAR	LPM at 4.1 BAR	LPM at 4.8 BAR	LPM at 5.5 BAR
18.9	227	197	155	98				
22.7	265	250	220	182	140	79		
26.5	303	288	265	238	208	170	121	57

9303P-HM5C — U.S. Units

Hyd. Flow GPM	GPM at 10 PSI	GPM at 20 PSI	GPM at 30 PSI	GPM at 40 PSI	GPM at 50 PSI	GPM at 60 PSI	GPM at 70 PSI	GPM at 80 PSI	GPM at 90 PSI	GPM at 100 PSI	GPM at 110 PSI
12	94	92	86	78	68	58	44	15			
13	100	98	94	88	79	70	60	48	25		
14	108	107	104	100	94	86	77	68	57	42	
15	113	112	110	106	100	93	86	78	68	56	40

9303P-HM5C — Metric Units

Hyd. Flow LPM	LPM at 0.7 BAR	LPM at 1.4 BAR	LPM at 2.1 BAR	LPM at 2.8 BAR	LPM at 3.4 BAR	LPM at 4.1 BAR	LPM at 4.8 BAR	LPM at 5.5 BAR	LPM at 6.2 BAR	LPM at 6.9 BAR	LPM at 7.6 BAR
45.4	356	348	326	295	257	220	167	57			
49.2	379	371	356	333	299	265	227	182	95		
53.0	409	405	394	379	356	326	291	257	216	159	
56.8	428	424	416	401	379	352	326	295	257	212	151