

# Hydraulically-Driven, Cast Iron and Stainless Steel

## Series 9302C and 9302S



### Upgrade Options:

- Increase dry-run and abrasive resistance with Life Guard Seals
  - Life Guard seals are the OEM standard
- Extend pump life with Stainless Steel
  - Fact: Chemical corrosion, pump cavitation, and abrasive wear are key factors in pump life
  - 316 Stainless Steel pumps provide superior chemical corrosion resistance, while maintaining material strength to prolong the life against abrasive wear
  - 316 Stainless Steel resists cavitation pitting of pumps, extending the wear life
  - Drop in replacements for cast iron pumps

### Features

- Available in cast iron and 316 stainless steel for extended pump life
- Hydraulic motor drive (for open center, closed center and load-sensing systems)
- Port sizes: 1-1/4" NPT inlet, 1" NPT outlet
- Max. fluid temperature: 140°F/60°C
- Impeller: Cast Iron models – Nylon; Stainless Steel models – Polypropylene
- Motor: internal gear gerotor
- Hydraulic ports: 1/2" NPT inlet, 3/4" NPT outlet-HM Series
- Hydraulic ports on GM1 Series: 7/8" 14 UNF #10 SAE
- Pump seals: Cast Iron models – Viton/ceramic standard; Life Guard silicon carbide (B) available; Stainless Steel models – Life Guard silicon carbide standard
- 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: 26 lbs./11.8 kg

### Order Information

Model Number	Max GPM	Max LPM	Max PSI	Max BAR	Max Hyd. GPM	Max Hyd. LPM	Hydraulic Selection System
9302CT-GM1	63	238	90	6.2	3	11.4	Open/Closed
9302C-HM1C	72	273	150	10.3	13	49.2	Open/Closed
9302C-HM2C	65	246	96	6.6	6	22.7	Open/Closed
9302C-HM4C	72	273	120	8.3	7	26.5	Open/Closed
9302ST-GM1	63	238	90	6.2	3	11.4	Open/Closed
9302S-HM1C	72	273	150	10.3	13	49.2	Open/Closed
9302S-HM2C	65	246	96	6.6	6	22.7	Open/Closed
9302S-HM4C	72	273	120	8.3	7	26.5	Open/Closed
3430-0332	Seal and o-ring repair kit						
3430-0589	Life Guard silicon carbide seal kit						

Life Guard silicon carbide seal - Add suffix "B" (i.e.: 9302CT-GM1-B)

**9302CT-GM1, 9302ST-GM1****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
2.0	51	48	39	21					
2.5	60	59	56	48	37	23			
3.0	63	63	62	61	58	50	39	25	0

**9302CT-GM1, 9302ST-GM1****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 3.5 BAR	LPM at 4.2 BAR	LPM at 4.9 BAR	LPM at 5.6 BAR	LPM at 6.3 BAR
7.6	193	182	148	79					
9.5	227	223	212	182	140	87			
11.4	238	238	235	231	220	189	148	95	0

**9302C-HM1C, 9302S-HM1C****U.S. Units**

Hyd. Flow GPM	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	GPM at 130 PSI	GPM at 140 PSI
11	72	72	71	65	56	45	29				
12	72	72	72	72	70	63	53	40			
13	72	72	72	72	72	71	68	63	56	48	35

**9302C-HM1C, 9302S-HM1C****Metric Units**

Hyd. Flow LPM	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	LPM at 9.0 BAR	LPM at 9.7 BAR
41.6	273	273	269	246	212	170	110				
45.4	273	273	273	273	265	238	201	151			
49.2	273	273	273	273	273	269	257	238	212	182	132

**9302C-HM2C, 9302S-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
4	54	49	42	34	19				
5	59	57	50	42	34	25	11		
6	64	63	60	52	44	36	27	18	9

**9302C-HM2C, 9302S-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
15.1	204	185	159	129	72				
18.9	223	216	189	159	129	95	42		
22.7	244	238	227	197	167	136	102	68	34

**9302C-HM4C, 9302S-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	GPM at 90 PSI	GPM at 100 PSI	GPM at 110 PSI
6	65	63	59	51	41	29	12				
7	72	72	71	67	60	51	42	31	17		
8	72	72	72	72	70	64	57	50	42	32	16

**9302C-HM4C, 9302S-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	LPM at 6.2 BAR	LPM at 6.9 BAR	LPM at 7.6 BAR
22.7	246	238	223	193	155	110	45				
26.5	273	273	269	254	227	193	159	117	64		
30.3	273	273	273	273	265	242	216	189	159	121	61