

9306 Centrifugal Pumps

High performance pumps


Part numbers:

989306S for 316 Stainless Steel or 989306C for Cast Iron
 Add -HM1C, -HM3C or -HM5C for hydraulic motor options
 Add -U for 2"x1½" (50.4x38.1 mm) Universal-Flange Ports
 or -3U for 3"x2" (76.2x50.4 mm) Universal-Flange Ports

Unique closed impeller design that can sustain high pressure and flow. Available in both cast iron and stainless steel materials allowing flexibility in pump selection.

FEATURES & BENEFITS

- High flow performance. Maximum flow 1200 litres per minute*. Ideal for fast tank filling and high volume, high speed spraying operations such as liquid fertiliser
- Compact design 301 mm (l) x 237 mm (w) x 230 mm (h) weighing just 12 kg
- Robust hydraulic motor significantly reduces downtime and increases spraying days
- **Cast iron models** have glass-filled nylon impellers and stainless steel wear rings. Suitable for normal chemical spraying
- **316 stainless steel models** have glass-filled polypropylene impeller and **Life Guard™ silicon carbide mechanical seals**. Use this option when pumping corrosive spray solutions
- **2" (50 mm) NPT inlet and 1½" (38 mm) NPT outlet**. Also available with **3" x 2" (76 x 51 mm) or 2" x 1½" (51 x 38 mm) Universal-Flanged Ports** for quicker installation and serviceability
- **Connect to Hypro's Self-Priming Adaptor (SPA)** for fast self priming with up to 3 metre lift

* 9306-HM5C-3U option at 64.4 LPM Hydraulic Flow

Centrifugal Pumps are light in weight and compact in size. With just four wearing parts they offer reliable and low maintenance operation. There is no need for bypass and pressure relief valves and the integrated hydraulic motor means no couplings, increasing the compactness of the unit.



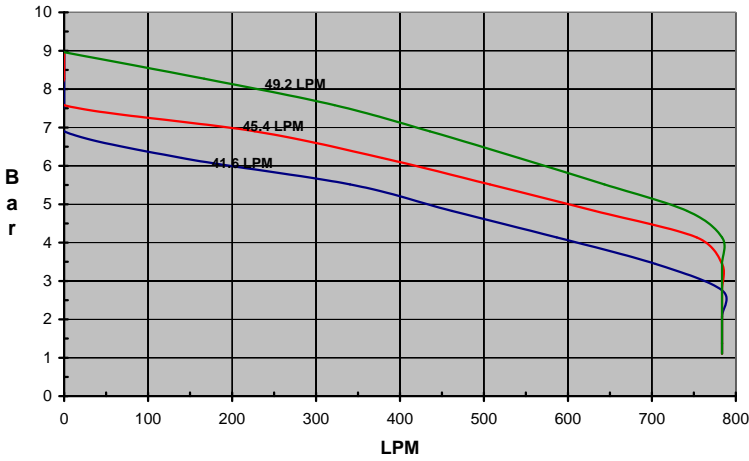
Available with threaded or Universal-Flanged Ports for quicker installation and easier fitting and removal



Standard on stainless steel models, available as an option on cast iron models

Performance data: 2" (51 mm) inlet x 1½" (38 mm) outlet
Threaded and Universal-Flanged Port (U) options

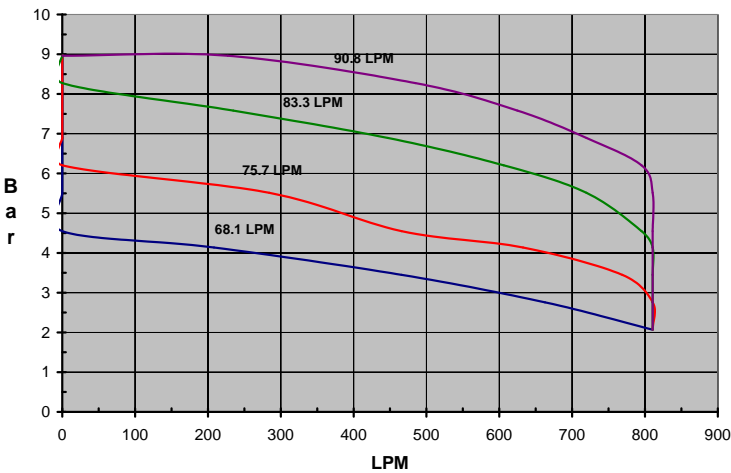
9306C-HM1C, 9306S-HM1C & 9306C-HM1C-U



9306C-HM1C, 9306S-HM1C, 9306C-HM1C-U

Pump Flow (LPM) at pressure (Bar)	Hyd flow (LPM)		
	41.6 LPM	45.4 LPM	49.2 LPM
1.1	784	784	784
1.4	784	784	784
2.1	784	784	784
2.8	784	784	784
3.4	704	784	784
4.1	587	753	784
4.8	462	632	742
5.5	341	507	644
6.2	140	379	542
6.9	0	227	436
7.6	0	0	322
8.3	0	0	167
9.0	0	0	0

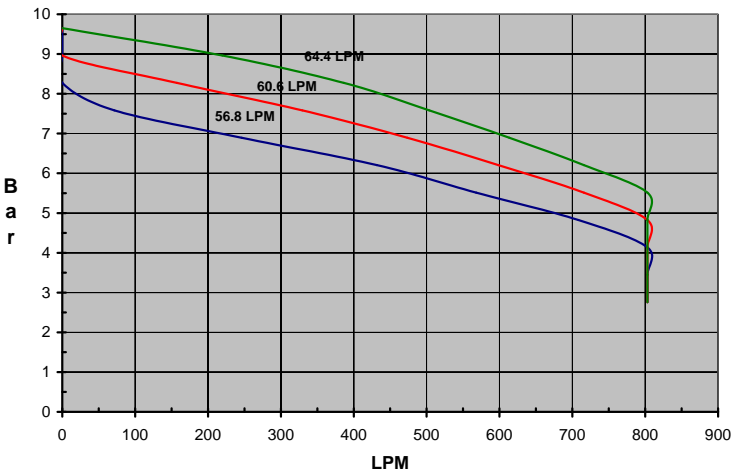
9306C-HM3C, 9306S-HM3C & 9306C-HM3C-U



9306C-HM5C, 9306S-HM5C, 9306C-HM5C-U

Pump Flow (LPM) at pressure (Bar)	Hyd flow (LPM)		
	56.8 LPM	60.6 LPM	64.4 LPM
2.8	803	803	803
3.4	803	803	803
4.1	803	803	803
4.8	708	803	803
5.5	568	716	803
6.2	432	598	716
6.9	246	473	614
7.6	72	330	504
8.3	0	157	386
9.0	0	0	220
9.7	0	0	0

9306C-HM5C, 9306S-HM5C & 9306C-HM5C-U

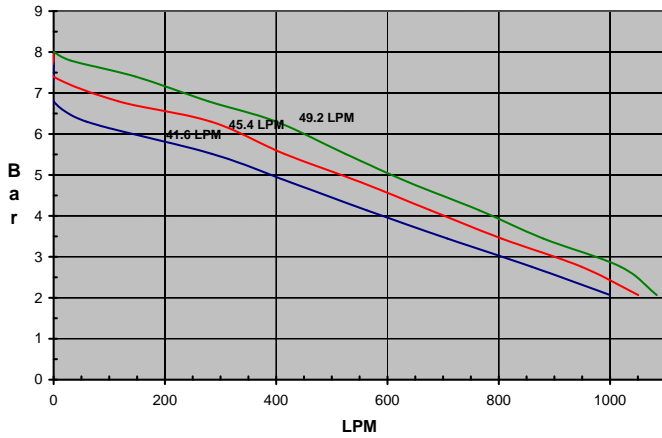


9306C-HM3C, 9306S-HM3C, 9306C-HM3C-U

Pump Flow (LPM) at pressure (Bar)	Hyd flow (LPM)			
	68.1 LPM	75.7 LPM	83.3 LPM	90.8 LPM
2.1	811	811	811	811
2.8	663	811	811	811
3.4	466	769	811	811
4.1	208	632	811	811
4.6	0	466	795	811
5.5	0	284	720	811
6.2	0	0	606	795
6.9	0	0	447	720
7.6	0	0	235	625
8.3	0	0	0	485
9.0	0	0	0	227
9.0	0	0	0	0

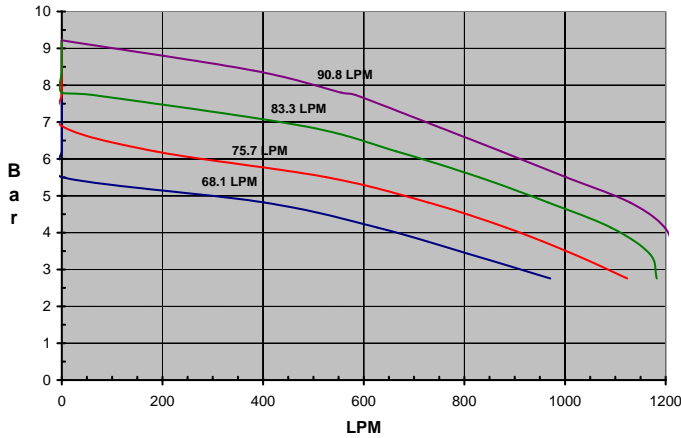
Performance data: 3" (76 mm) inlet x 2" (51 mm) outlet
 Universal Flanged Port (3U) option

9306C-HM1C-3U, 9306S-HM1C-3U



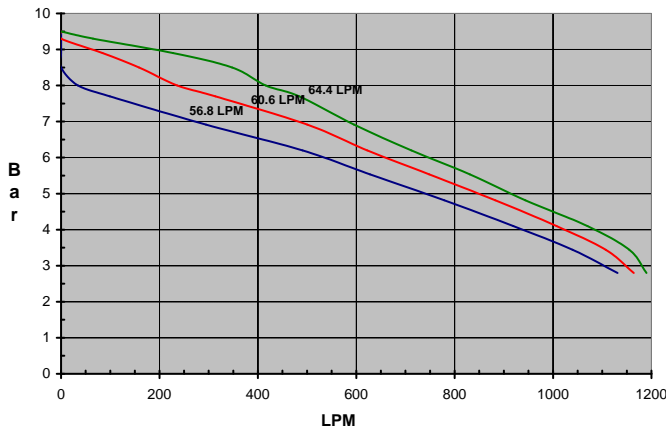
9306C-HM1C-3U, 9306S-HM1C-3U			
Pump Flow (LPM) at pressure (Bar)	Hyd flow (LPM)		
	41.6 LPM	45.4 LPM	49.2 LPM
2.1	1000	1051	1084
2.8	859	949	1019
3.4	708	805	880
4.1	563	677	765
4.8	425	552	637
5.5	284	414	524
6.3	59	283	400
6.8	0	116	278
7.4	0	0	148
7.8	0	0	32
8.0	0	0	0

9306C-HM3C-3U, 9306S-HM3C-3U



9306C-HM5C-3U, 9306S-HM5C-3U			
Pump Flow (LPM) at pressure (Bar)	Hyd flow (LPM)		
	56.8 LPM	60.6 LPM	64.4 LPM
2.8	1131	1164	1190
3.4	1040	1107	1155
4.1	919	1007	1070
4.8	779	883	944
5.5	628	748	831
6.2	491	622	712
6.9	295	501	596
7.7	99	314	484
8.0	34	236	416
8.5	0	159	348
8.9	0	84	228
9.3	0	0	65
9.5	0	0	0

9306C-HM5C-3U, 9306S-HM5C-3U



9306C-HM3C-3U, 9306S-HM3C-3U				
Pump Flow (LPM) at pressure	Hyd flow (LPM)			
	68.1 LPM	75.7 LPM	83.3 LPM	90.8 LPM
2.8	971	1124	1182	1219
3.4	808	1016	1168	1214
4.1	627	883	1091	1198
4.8	402	728	967	1129
5.5	0	525	828	1002
6.2	0	186	665	873
6.9	0	0	479	744
7.7	0	0	62	584
7.8	0	0	0	555
8.4	0	0	0	381
9.2	0	0	0	0

Pump dimensions

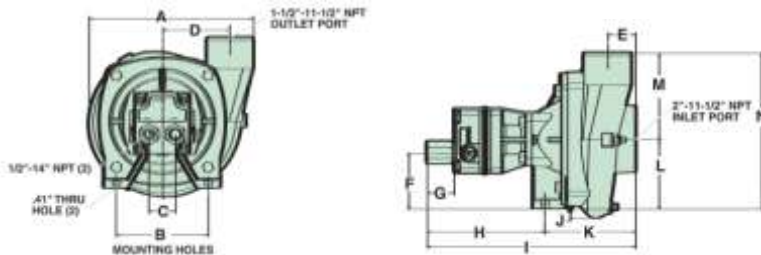
Dimensions		
	Inches	mm
A	9.34	237.1
B	5.25	133.4
C	1.50	38.1
D	3.83	97.3
E	1.55	39.4
F	3.08	78.2
G	1.50	38.1
H	see other charts	
I	see other charts	
J	.51	13
K	5.03	127.7
L	3.81	96.8
M	4.75	120.7
N	9.07	230.5

9306C/S-HM1C		
	Inches	mm
H	6.34	161.1
I	11.38	289.1

9306C/S-HM5C		
	Inches	mm
H	6.47	164.3
I	11.50	292.3

9306C/S-HM_C-U		
*Add the following to Standard Dimensions		
	Inches	mm
E	1.24	31.50
I	1.24	31.50
K	1.24	31.50
M	.37	9.4

9306C/S-HM3C		
	Inches	mm
H	6.84	173.8
I	11.88	301.2

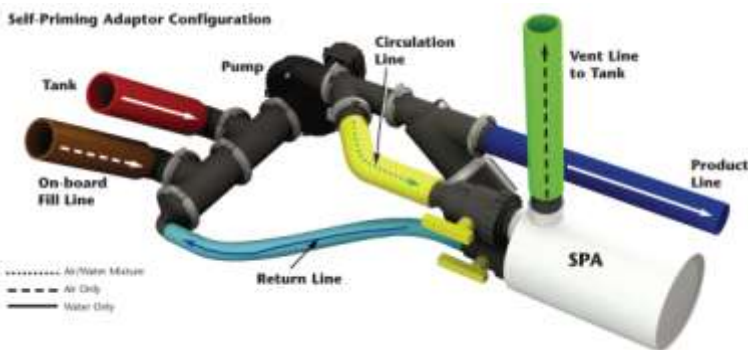


Life Guard Seals



Life Guard™ Seals are fitted as standard to 316 Stainless Steel models and optional on Cast Iron. They are made from Silicon Carbide, second only in hardness to diamonds. Life Guard seals offer up to 8 times longer life than ceramic seals when used in abrasive situations and up to 21 times more dry run survivability as shown in the diagrams below:

Self-Priming Adaptor



The SPA is a simple device weighing just 3 kg with no moving parts that rapidly primes closed impeller centrifugal pumps. The system can draw from water sources up to 7 m below the height of the pump, and helps to achieve fast tank filling. The SPA requires no maintenance and is simple to build into a sprayer and to use.

When the SPA is connected to any closed impeller centrifugal pump a priming circuit is created that quickly allows the pump to gain suction pressure. The system evacuates air from the suction line and returns only liquid to the pump—allowing it to become fully primed in around 10 seconds.

