

EP Series Hose Pumps Positive Displacement Hose Pumps

Three steps to choosing your pump:

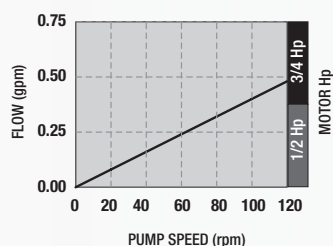
- 1. Choose your pump size to meet your flow requirement**
Use the Performance Charts below to choose your Pump Model.
- 2. Choose your pump speed range**
Using the Selection Charts, go to your Model Number and find the Gear Ratio for your desired pump speed.
- 3. Choose your hose & hose barb materials to meet your material properties**
Keep moving down the Selection Charts to select your hose material and your hose barb material.



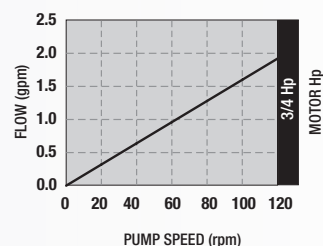
Step 1: Performance Charts & Technical Specifications

Pump Model	EP2006	EP2013
Maximum flow (130 rpm)	2.0 l/min (0.5 gpm)	7.9 l/min (2.1 gpm)
Capacity (flow per revolution)	0.015 l/rev (0.004 gal/rev)	0.06 l/rev (0.016 gal/rev)
Maximum discharge pressure	13.8 bar (200 psi)	13.8 bar (200 psi)
Hose inner diameter	6 mm	13 mm
Port size	1/2 in male NPT	1/2 in male NPT

EP2006 Performance

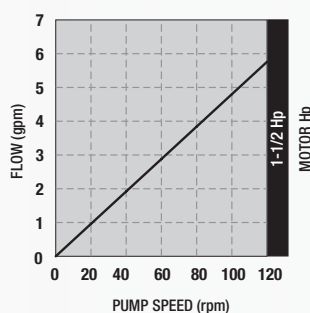


EP2013 Performance

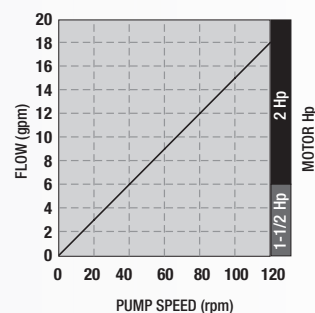


Pump Model	EP3019	EP4029
Maximum flow (130 rpm)	23.6 l/min (6.2 gpm)	73.8 l/min (19.5 gpm)
Capacity (flow per revolution)	0.182 l/rev (0.048 gal/rev)	0.568 l/rev (0.15 gal/rev)
Maximum discharge pressure	13.8 bar (200 psi)	13.8 bar (200 psi)
Hose inner diameter	19 mm	29 mm
Port size	3/4 in male NPT	1-1/4 in male NPT

EP3019 Performance



EP4029 Performance



EP Series Hose Pumps

Graco Assembled Complete Pumps

Step 2: Choose Your Pump Speed Range

Model	EP2006			EP2013		
Max flow @ 130 rpm - l/min	2.0			7.9		
Flow/Rev - liter	0.015			0.060		
Motor/Gear Speed Range	Low	Mid	High	Low	Mid	High
Motor Consumption - HP (kW)	0.33 (0.25)	0.5 (0.37)	-	0.33 (0.25)	0.75 (0.56)	-
Pump Speed @ 50 Hz - rpm *	9	29	-	9	29	-
Flow Rate @ 50 Hz - l/min *	0.14	0.43	-	0.53	2.58	-
Maximum Working Pressure - bar (psi)	13.8 (200)			13.8 (200)		
Maximum Suction Lift - m (ft)	8.9 (29)			8.9 (29)		
Operation Manual	3A1938			3A1938		
Repair-Parts Manual	3A1940			3A1940		
Pump Inlet / Outlet Size	1/2" male NPT			1/2" male NPT		

* Using a VFD you can run the motor at a different frequency. This will change the rpm of the pump.
For example you increase rpm (& flow) by 20% if you run the motor at 60 Hz instead 50 Hz.

Step 3: Choose Your Hose & Hose Barb Materials

Hose Material	Hose Barb Material	EP2006			EP2013		
Natural Rubber	316 SST	24L104	24L118	-	24L188	24L202	-
	Hastelloy-C	-	-	-	-	-	-
Nitrile	316 SST	24L107	24L121	-	24L191	24L205	-
	Hastelloy-C	24L108	24L122	-	24L192	24L206	-
EPDM	316 SST	24L100	24L114	-	24L184	24L198	-
	Hastelloy-C	24L101	24L115	-	24L185	24L199	-
CSM	316 SST	24L105	24L119	-	24L189	24L203	-
	Hastelloy-C	24L106	24L120	-	24L190	24L204	-

EP Series Hose Pumps

Graco Assembled Complete Pumps

Model	EP3019			EP4029		
Max flow @ 130 rpm - l/min	23.6			73.8		
Flow/Rev - liter	0.182			0.568		
Motor/Gear Speed Range	Low	Mid	High	Low	Mid	High
Motor Consumption - HP (kW)	1 (0.75)	1.5 (1.12)	-	1.5 (1.12)	2 (1.50)	2 (1.50)
Pump Speed @ 50 Hz - rpm *	15	42	-	19	43	76
Flow Rate @ 50 Hz - l/min *	2.67	7.5	-	10.7	24.9	43.2
Maximum Working Pressure - bar (psi)	13.8 (200)			13.8 (200)		
Maximum Suction Lift - m (ft)	8.9 (29)			8.9 (29)		
Operation Manual	3A1938			3A1938		
Repair-Parts Manual	3A1939			3A1939		
Pump Inlet / Outlet Size	3/4" male NPT			1-1/4" male NPT		

Hose Material	Hose Barb Material	EP3019			EP4029		
Natural Rubber	316 SST	24L546	24L560	-	25L028	25L042	25L056
	Hastelloy-C	-	-	-	-	-	-
Nitrile	316 SST	24L549	24L563	-	25L031	25L045	25L059
	Hastelloy-C	24L550	24L564	-	25L032	25L046	25L060
EPDM	316 SST	24L542	24L556	-	25L024	25L038	25L052
	Hastelloy-C	24L543	24L557	-	25L025	25L039	25L053
CSM	316 SST	24L547	24L561	-	25L029	25L043	25L057
	Hastelloy-C	24L548	24L562	-	25L030	25L044	25L058

EP Series Hose Pumps

Graco Pump Kits with roller not installed (fully assembled pumps with the roller shipped in a separate package)

Step 2: Choose Your Pump Speed Range

Model	EP2006			EP2013		
Max flow @ 130 rpm - l/min	2.0			7.9		
Flow/Rev - liter	0.015			0.060		
Motor/Gear Speed Range	Low	Mid	High	Low	Mid	High
Motor Consumption - HP (kW)	0.33 (0.25)	0.5 (0.37)	-	0.33 (0.25)	0.75 (0.56)	-
Pump Speed @ 50 Hz - rpm *	9	29	-	9	29	-
Flow Rate @ 50 Hz - l/min *	0.14	0.43	-	0.53	2.58	-
Maximum Working Pressure - bar (psi)	13.8 (200)			13.8 (200)		
Maximum Suction Lift - m (ft)	8.9 (29)			8.9 (29)		
Operation Manual	3A1938			3A1938		
Repair-Parts Manual	3A1940			3A1940		
Pump Inlet / Outlet Size	1/2" male NPT			1/2" male NPT		

* Using a VFD you can run the motor at a different frequency. This will change the rpm of the pump.
For example you increase rpm (& flow) by 20% if you run the motor at 60 Hz instead 50 Hz.

Step 3: Choose Your Hose & Hose Barb Materials

Hose Material	Hose Barb Material	EP2006			EP2013		
Natural Rubber	316 SST	24L374	24L388	-	24L458	24L472	-
	Hastelloy-C	-	-	-	-	-	-
Nitrile	316 SST	24L377	24L391	-	24L461	24L475	-
	Hastelloy-C	24L378	24L392	-	24L462	24L476	-
EPDM	316 SST	24L370	24L384	-	24L454	24L468	-
	Hastelloy-C	24L371	24L385	-	24L455	24L469	-
GSM	316 SST	24L375	24L389	-	24L459	24L473	-
	Hastelloy-C	24L376	24L390	-	24L460	24L474	-

EP Series Hose Pumps

Graco Pump Kits with roller not installed

Model	EP3019			EP4029		
Max flow @ 130 rpm - l/min	23.6			73.8		
Flow/Rev - liter	0.182			0.568		
Motor/Gear Speed Range	Low	Mid	High	Low	Mid	High
Motor Consumption - HP (kW)	1 (0.75)	1.5 (1.12)	-	1.5 (1.12)	2 (1.50)	2 (1.50)
Pump Speed @ 50 Hz - rpm *	15	42	-	19	43	76
Flow Rate @ 50 Hz - l/min *	2.67	7.5	-	10.7	24.9	43.2
Maximum Working Pressure - bar (psi)	13.8 (200)			13.8 (200)		
Maximum Suction Lift - m (ft)	8.9 (29)			8.9 (29)		
Operation Manual	3A1938			3A1938		
Repair-Parts Manual	3A1939			3A1939		
Pump Inlet / Outlet Size	3/4" male NPT			1-1/4" male NPT		

Hose Material	Hose Barb Material	EP3019			EP4029		
Natural Rubber	316 SST	24L630	24L644	-	25L094	25L108	25L122
	Hastelloy-C	-	-	-	-	-	-
Nitrile	316 SST	24L633	24L647	-	25L097	25L111	25L125
	Hastelloy-C	24L634	24L648	-	25L098	25L112	25L126
EPDM	316 SST	24L626	24L640	-	25L090	25L104	25L118
	Hastelloy-C	24L627	24L641	-	25L091	25L105	25L119
GSM	316 SST	24L631	24L645	-	25L095	25L109	25L123
	Hastelloy-C	24L632	24L646	-	25L096	25L110	25L124

EP Series Hose Pumps

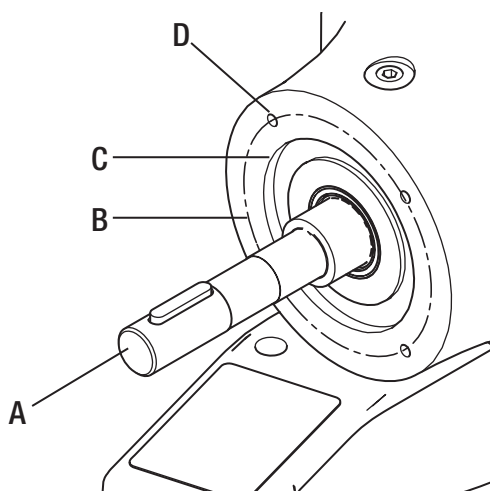
Ordering & Mounting Information

Hose Pumps with No Motor Drive (fully assembled pumps with customer supplied motor drive)

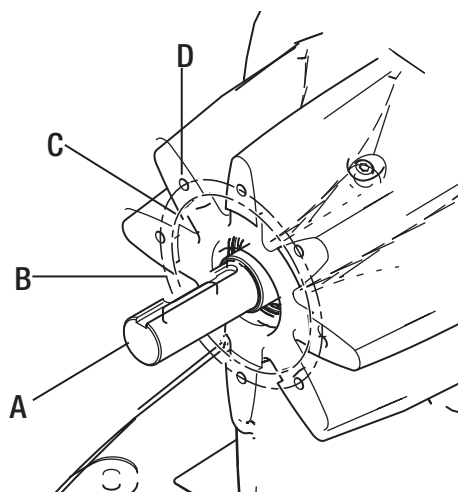
Hose Material	Hose Barb Material	EP2006	EP2013	EP3019	EP4029
Natural Rubber	316 SST	24M739	24M767	24M795	24M820
	Hastelloy-C	-	-	-	-
Nitrile	316 SST	24M742	24M770	24M798	24M823
	Hastelloy-C	24M743	24M771	24M799	24M824
EPDM	316 SST	24M735	24M763	24M791	24M816
	Hastelloy-C	24M736	24M764	24M792	24M817
CSM	316 SST	24M740	24M768	24M796	24M821
	Hastelloy-C	24M741	24M769	24M797	24M822

Mounting a Non-Graco Motor (to mount a non-graco motor and gearbox to a bare EP Hose Pump)

EP Series Pump Size	Hollow Bore Shaft Diameter A	Bolt Circle Diameter B	Flange Pilot Diameter C	Mounting Hole Thread Size D
EP2	20 mm	100 mm	80 mm	M6
EP3	30 mm	130 mm	110 mm	M8
EP4	35 mm	165 mm	130 mm	M10



Motor mounting dimensions for EP2 Pumps



Motor mounting dimensions for EP3 & EP4 Pumps

Kits and Replacement Hoses Ordering Information

Replacement Hose Kits*

	EP2006	EP2010	EP2013	EP3016	EP3019	EP4025	EP4029
Natural Rubber	24K482	24K492	24K502	24K522	24K532	24K542	24K552
Nitrile	24K484	24K494	24K504	24K524	24K534	24K544	24K554
EPDM	24K483	24K493	24K503	24K523	24K533	24K543	24K553
CSM	24K487	24K497	24K507	24K527	24K537	24K547	24K557

* Includes 2 clamps

VFDs (Variable Frequency Drives)

Hp	Input Voltage	Output Voltage	Used with Pump	Part Number
0.5	120 or 240 VAC (1 Phase)	240 VAC (3 Phase)	EP2006	16K905
0.5	208-240 VAC (1 or 3 Phase)	208-240 VAC (3 Phase)	EP2006	16K906
1	120 or 240 VAC (1 Phase)	240 VAC (3 Phase)	EP2010, EP2013	16K907
1	208-240 VAC (1 or 3 Phase)	208-240 VAC (3 Phase)	EP2010, EP2013	16K908
1.5	120 or 240 VAC (1 Phase)	240 VAC (3 Phase)	EP3016, EP3019	16K909
1.5	208-240 VAC (1 or 3 Phase)	208-240 VAC (3 Phase)	EP3016, EP3019	16K910
2	208-240 VAC (1 or 3 Phase)	208-240 VAC (3 Phase)	EP4025, EP4029	16K911
2	400-480 VAC (3 Phase)	400-480 VAC (3 Phase)	EP4025, EP4029	16K912

Hose Pump Lubricant

Description	Part Number
Glycerin Based Hose Lube - 1 liter (1 quart)	24K692
Glycerin Based Hose Lube - 3.8 liter (1 gallon)	24K694
Glycerin Based Hose Lube - 208 liter (55 gallon) drum	24M435

EP2 requires 250 mL (8 oz) of hose lube; EP3 requires 1 l (1 qt) of hose lube; EP4 requires 2 liter (1/2 gallon) of hose lube
Factory fill is glycerin, shipped in a separate bottle

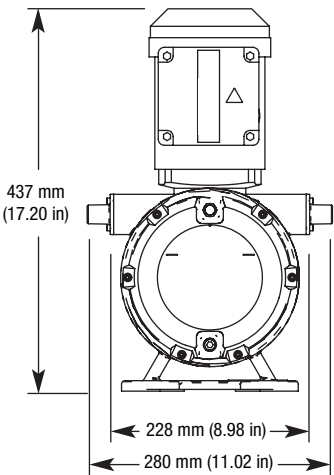
Other

Description	Part Number
"Band-It" Clamp Tool	24L497

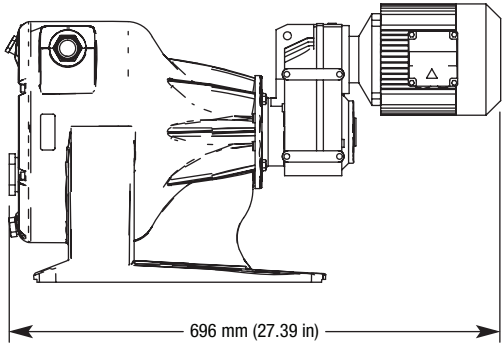
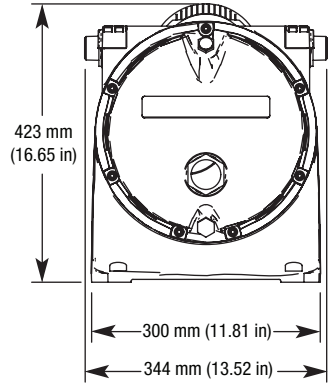
EP Series Hose Pumps

Dimensions

EP2 Hose Pumps



EP3 Hose Pumps



EP4 Hose Pumps

