



GEAR PUMPS



Product Range

Gear pump range includes single pumps of groups AP100, AP200 and AP300. Displacements within each group range from 0.073 cu. in/rev to 5.673 cu. in/rev.

Recommended Fluids/ Allowed temperatures

Mineral oil based hydraulic fluids that comply with ISO/DIN standards is recommended.

Suction

The absolute suction pressure must be 11 PSI. It is also advisable to choose a filter of suitable size to minimize any pressure drop and to take measures to prevent gradual clogging over time.

The following items are also available (consult factory)

- Spline Shafts
- Left Hand Rotation (CCW)
- Pumps with Integrated Pressure Valve
- Modular Multiple Pumps
- Bi-Rotational Pump

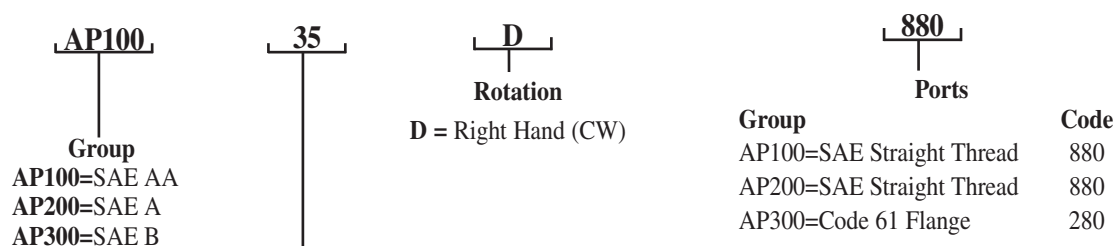
Viscosity Range

Recommended	100 to 500 SUS
Permitted	up to 3000 SUS

Operating Temperature

Seal Type	Temperature
Buna N	5° to 176° F -15° to 80° C
Viton	14° to 248° F -10° to 120° C

How to Order

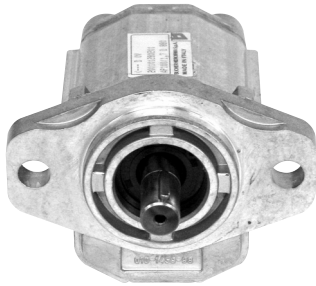


AP100			AP200			AP300		
Group	Code	Displacement in ³ /rev	Group	Code	Displacement in ³ /rev	Group	Code	Displacement in ³ /rev
	12	.073		45	.262		27	1.674
	17	.103		65	.384		31	1.891
	25	.152		85	.506		38	2.318
	35	.213		11	.671		45	2.745
	43	.262		15	.915		53	3.233
	5	.305		19	1.159		63	3.843
	65	.396		22	1.342		75	4.575
	8	.476		26	1.586		93	5.673



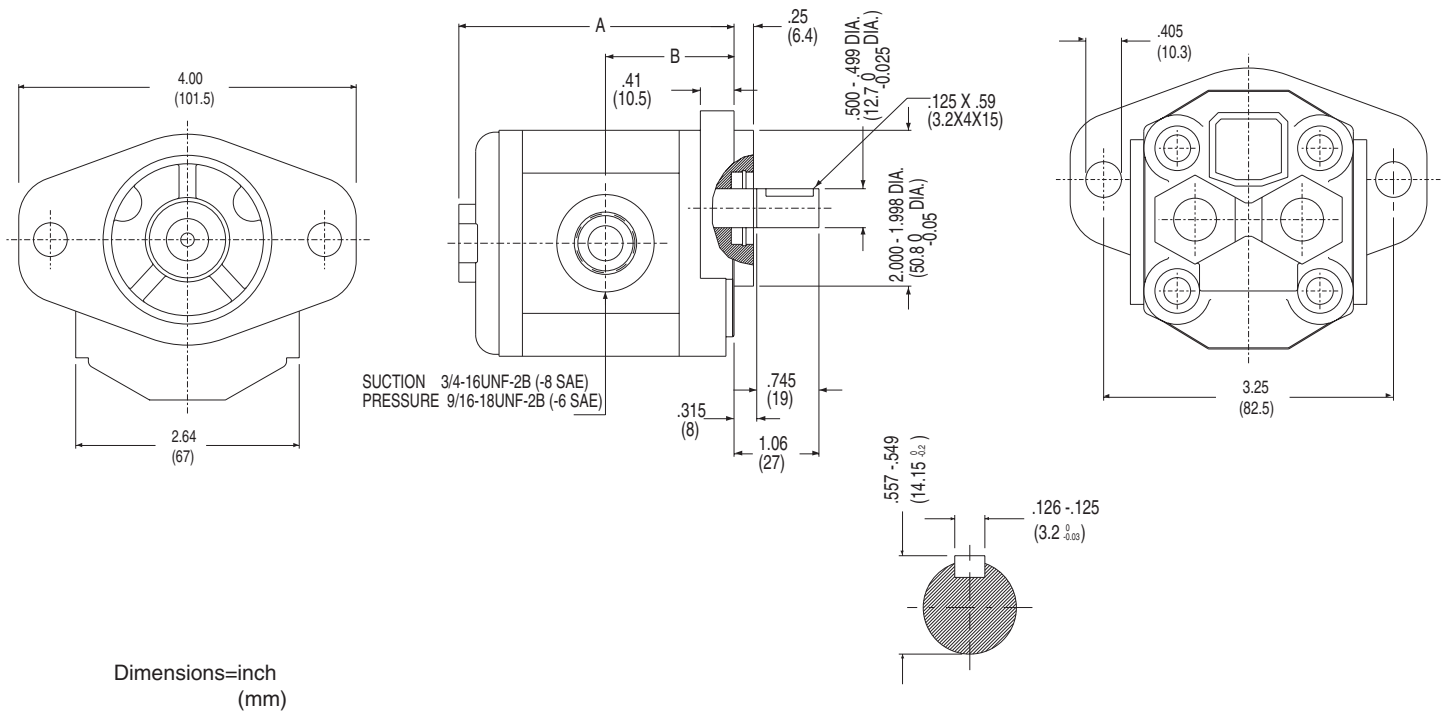
GEAR PUMPS

AP100



Features

1. SAE AA 2 bolt mounting flange per SAE J744C
2. -8 SAE suction and -6 SAE pressure ports per SAE J1926/1



Vescor Part Number	Displacement in³/rev	Flow		Max Pressure		Max		Dimensions			
		@1725 rpm GPM	@ 3450 rpm GPM	Continuous PSI	Intermitt PSI	Peak PSI	Speed rpm	A in	B mm	in	mm
AP10012D880	0.073	0.546	1.091	3000	3600	4000	5000	3.29	83.5	1.56	39.5
AP10017D880	0.103	0.770	1.540	3000	3600	4000	5000	3.37	85.5	1.60	40.5
AP10025D880	0.152	1.136	2.272	3000	3600	4000	5000	3.50	89	1.65	42
AP10035D880	0.213	1.592	3.184	3000	3300	3600	4000	3.66	93	1.75	44.5
AP10043D880	0.262	1.958	3.917	3000	3300	3600	4000	3.82	97	1.81	46
AP1005D880	0.305	2.280	4.560	3000	3300	3600	3500	3.92	99.5	1.87	47.5
AP10065D880	0.396	2.957	5.914	2700	3150	3400	3000	4.11	104.5	1.97	50
AP1008D880	0.476	3.554	7.109	2600	3000	3300	3000	4.33	110	2.09	53

NOTE: WITH VESCORS' POLICY OF CONSTANTLY IMPROVING ITS PRODUCTS, SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.



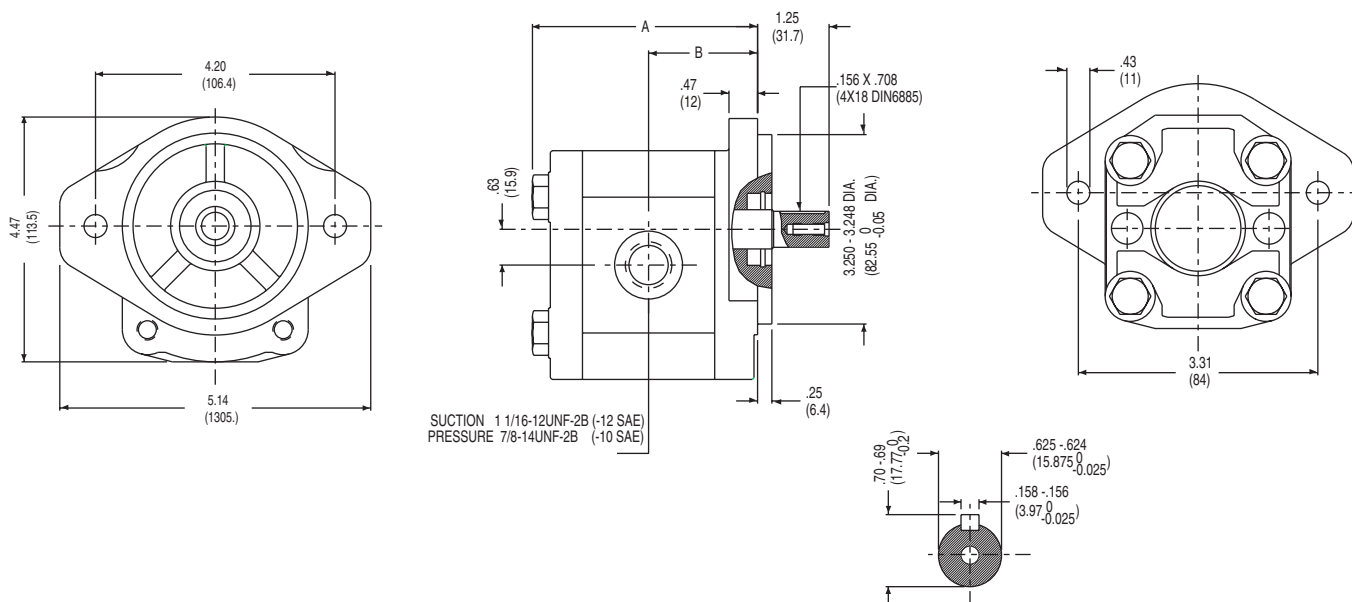
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AP200



Features

1. SAE A 2 bolt mounting flange per SAE J744C
2. -12 SAE suction and -10 SAE pressure ports per SAE J1926/1



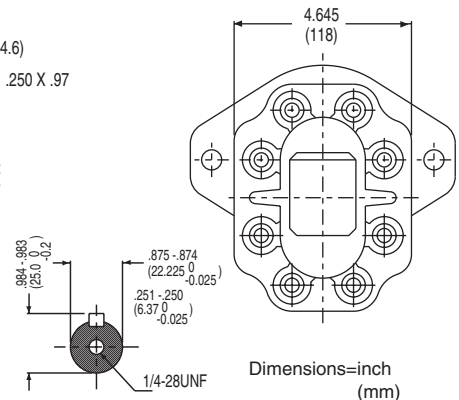
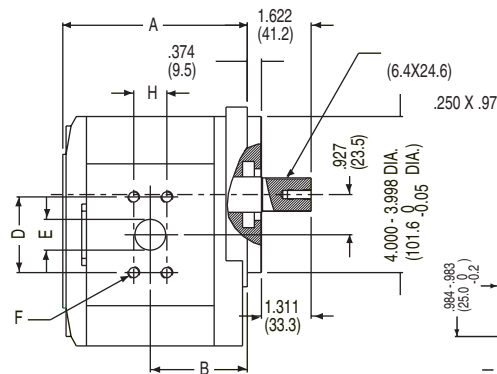
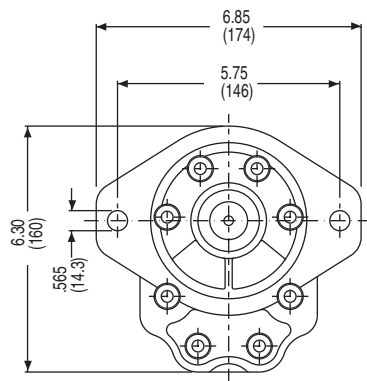
Dimensions=inch
(mm)

Vescor Part Number	Displacement in ³ /rev	Flow		Max Pressure			Max Speed rpm	Dimensions			
		@1725 rpm GPM	@ 3450 rpm GPM	Continuous PSI	Intermitt PSI	Peak PSI		A	B		
								in	mm	in	mm
AP20045D880	0.262	1.958	3.917	3150	3600	4000	4000	3.23	82.5	1.55	39.5
AP20065D880	0.384	2.870	5.741	3150	3600	4000	4000	3.23	82.5	1.55	39.5
AP20085D880	0.506	3.782	7.565	3150	3600	4000	4000	3.23	82.5	1.55	39.5
AP20011D880	0.671	5.015	10.031	3000	3300	3600	4000	3.90	98.5	1.87	47.5
AP20015D880	0.915	6.834	13.679	3000	3300	3600	4000	3.90	98.5	1.87	47.5
AP20019D880	1.159	8.662	17.327	3000	3300	3600	3500	4.35	110.5	2.11	53.5
AP20022D880	1.342	10.030	20.063	2900	3150	3400	3500	4.53	115	2.18	55.5
AP20026D880	1.586	11.854	23.711	2700	3000	3300	3000	4.53	115	2.18	55.5



GEAR PUMPS

AP300



Dimensions=inch
(mm)

Features

1. SAE B 2-bolt mounting flange per SAE J744C
2. Suction and pressure ports machined with four bolt split flange per SAE J518

Vescor Part Number	Displacement in ³ /rev	Flow		Max Pressure			Max Speed rpm	Dimensions			
		@1725 rpm GPM	@ 3450 rpm GPM	Continuous PSI	Intermitt PSI	Peak PSI		A	B		
AP30027D280	1.674	12.511	25.026	3150	3600	4000	3500	4.96	126	2.51	64
AP30031D280	1.891	14.133	28.270	3150	3600	4000	3500	5.07	129	2.56	65
AP30038D280	2.318	17.325	34.654	3150	3600	4000	3000	5.25	133.5	2.65	67.5
AP30045D280	2.745	20.516	41.038	2900	3300	3700	3000	5.43	138.5	2.75	70
AP30053D280	3.233	24.163	48.333	2900	3300	3700	3000	5.62	143	2.85	72.5
AP30063D280	3.843	28.722	57.453	2600	3000	3400	3000	5.90	150	2.97	75.5
AP30075D280	4.575	34.193	68.396	2400	2700	3150	2500	6.22	158	3.13	79.5
AP30093D280	5.673	42.400	84.811	2100	2400	2900	2500	6.65	169	3.36	85.5

Vescor Part Number	Dimensions Suction							Dimensions-Pressure						
	H		D		E		F	H		D		E		F
AP30027D280	1.03	26.2	2.06	52.4	.99	25	3/8-16	.88	22.2	1.88	47.6	.75	19	3/8-16
AP30031D280	1.19	30.2	2.31	58.7	1.22	31	7/16-14	1.03	26.2	2.06	52.4	.99	25	3/8-16
AP30038D280	1.19	30.2	2.31	58.7	1.22	31	7/16-14	1.03	26.2	2.06	52.4	.99	25	3/8-16
AP30045D280	1.19	30.2	2.31	58.7	1.22	31	7/16-14	1.03	26.2	2.06	52.4	.99	25	3/8-16
AP30053D280	1.40	35.7	2.76	70	1.50	38	1/2-13	1.19	30.2	2.31	58.7	1.22	31	7/16-14
AP30063D280	1.40	35.7	2.76	70	1.50	38	1/2-13	1.19	30.2	2.31	58.7	1.22	31	7/16-14
AP30075D280	1.40	35.7	2.76	70	1.50	38	1/2-13	1.19	30.2	2.31	58.7	1.22	31	7/16-14
AP30093D280	1.40	35.7	2.76	70	1.50	38	1/2-13	1.19	30.2	2.31	58.7	1.22	31	7/16-14

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