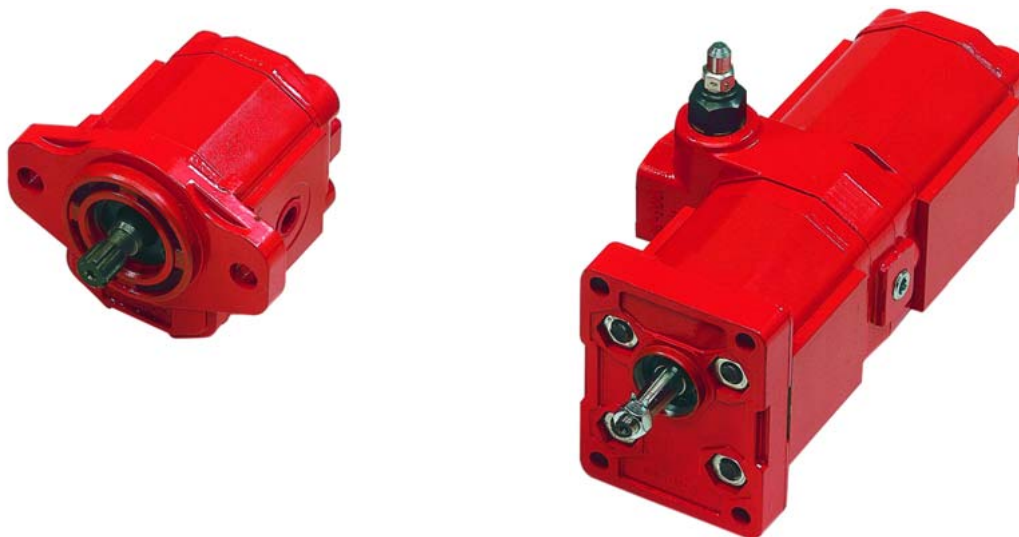
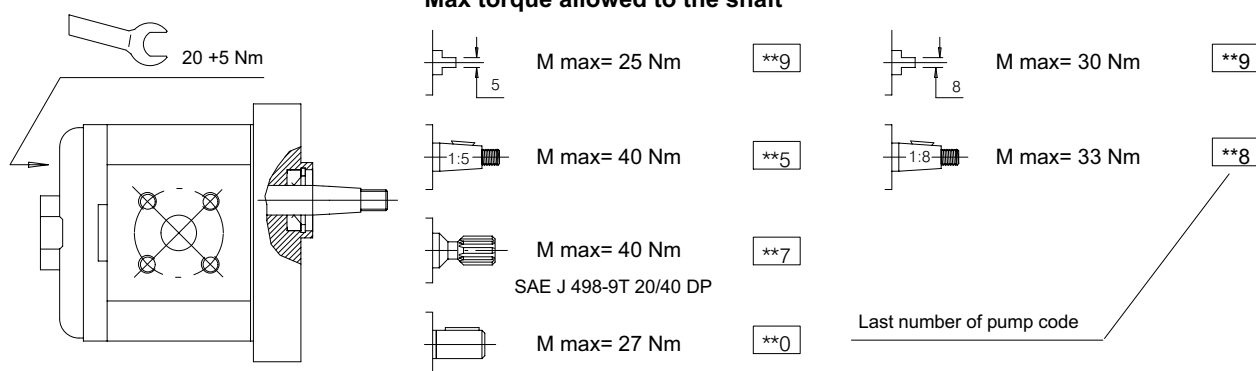


4 Gear pump group AP100



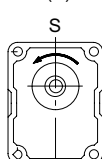
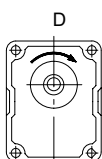
AP100 Type	Displacement		Max. pressure						n min.		n max.	
	cm ³ /rev	Cu.In.P.R.	P1		P2		P3		P ≤ P1	P > P1	P ≤ P1	P > P1
			bar	P.S.I.	bar	P.S.I.	bar	P.S.I.				
AP100/1.2	1.2	.073	210	3000	250	3600	280	4000	800	1000	4500	5000
AP100/1.7	1.7	.103	210	3000	250	3600	280	4000	650	800	4500	5000
AP100/2.5	2.5	.152	210	3000	250	3600	280	4000	650	800	4500	5000
AP100/3.5	3.5	.213	210	3000	230	3300	250	3600	650	800	3500	4000
AP100/4.3	4.3	.262	210	3000	230	3300	250	3600	550	700	3500	4000
AP100/5	5.0	.305	210	3000	230	3300	250	3600	500	650	3000	3500
AP100/6.5	6.5	.396	190	2700	220	3150	240	3400	500	650	2500	3000
AP100/8	7.8	.476	180	2600	210	3000	230	3300	500	650	2500	3000
AP100/10	10.0	.610	150	2150	180	2600	200	2900	500	650	2000	2500

Max torque allowed to the shaft

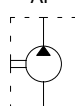


Clockwise rotation (D)

Counter-clockwise rotation (S)



AP

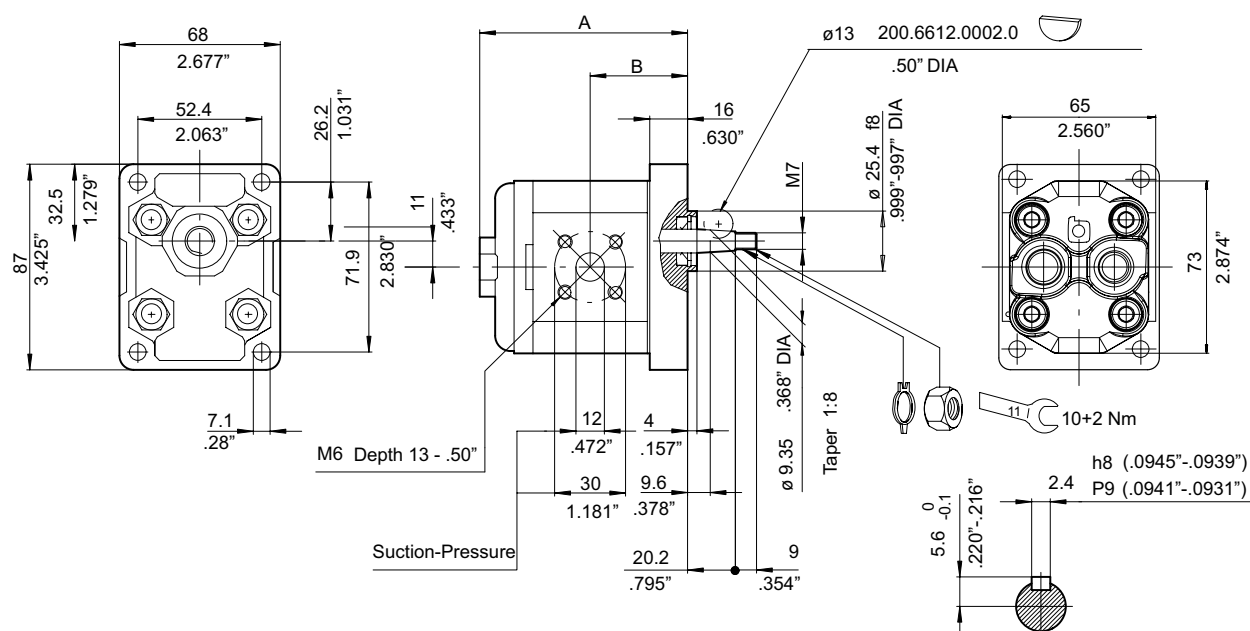


Notes:

- For uses at the operating limits, see note on page 8/96.
- For codes and dimensions regarding accessories, see section 7.
- For the types of pumps without ordering code, contact our Sales Dept.



Group **AP100** Code **218**



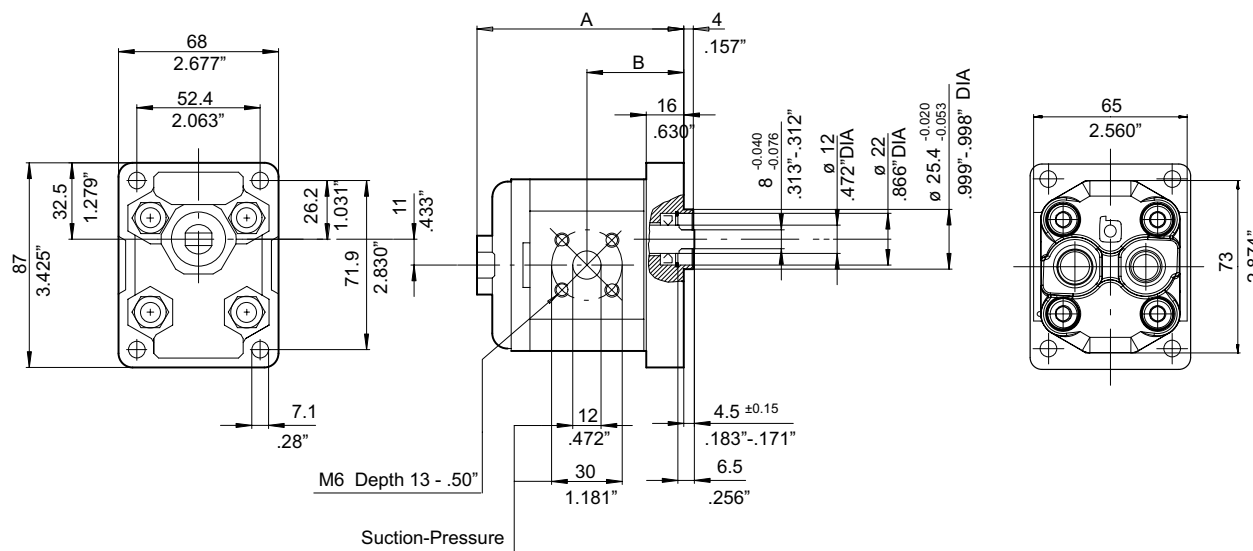
Type	Displacement cm ³ /rev	Dimensions			
		A		B	
		mm	inch.	mm	inch.
AP100/1.2	1.2	82.5	3.25	38.5	1.51
AP100/1.7	1.7	84.5	3.33	39.5	1.55
AP100/2.5	2.5	88	3.46	41	1.61
AP100/3.5	3.5	92	3.62	43.5	1.71
AP100/4.3	4.3	96	3.78	45	1.77
AP100/5	5	98.5	3.88	46.5	1.83
AP100/6.5	6.5	103.5	4.07	49	1.93
AP100/8	7.8	109	4.29	52	2.05

Clockwise rotation: D		Counter-clockwise rotation: S	
Type	Order Code	Type	Order Code
AP100/1.2 D	200.1011.132.04	AP100/1.2 S	200.1011.133.04
AP100/1.7 D	200.1012.132.03	AP100/1.7 S	200.1012.133.04
AP100/2.5 D	200.1013.132.03	AP100/2.5 S	200.1013.133.03
AP100/3.5 D	200.1014.132.04	AP100/3.5 S	200.1014.133.03
AP100/4.3 D	200.1015.132.03	AP100/4.3 S	200.1015.133.02
AP100/5 D	200.1016.132.03	AP100/5 S	200.1016.133.06
AP100/6.5 D	200.1017.132.03	AP100/6.5 S	200.1017.133.03
AP100/8 D	200.1018.132.02	AP100/8 S	200.1018.133.02

Accessories

Flange connectors: RF197 - RF198 - RF199

Splined couplings: GSH-1-12 - GSH-1-14

Group **AP100** Code **219**


Type	Displacement cm ³ /rev	Dimensions			
		mm	inch.	mm	inch.
AP100/1.2	1.2	82.5	3.25	38.5	1.51
AP100/1.7	1.7	84.5	3.33	39.5	1.55
AP100/2.5	2.5	88	3.46	41	1.61
AP100/3.5	3.5	92	3.62	43.5	1.71
AP100/4.3	4.3	96	3.78	45	1.77
AP100/5	5	98.5	3.88	46.5	1.83
AP100/6.5	6.5	103.5	4.07	49	1.93
AP100/8	7.8	109	4.29	52	2.05
AP100/10	10	118	4.64	56.5	2.22

Clockwise rotation: D		Counter-clockwise rotation: S	
Type	Order Code	Type	Order Code
AP100/1.2 D		AP100/1.2 S	200.1011.143.06
AP100/1.7 D		AP100/1.7 S	200.1012.143.07
AP100/2.5 D		AP100/2.5 S	200.1013.143.06
AP100/3.5 D		AP100/3.5 S	200.1014.143.06
AP100/4.3 D		AP100/4.3 S	200.1015.143.06
AP100/5 D		AP100/5 S	200.1016.143.04
AP100/6.5 D		AP100/6.5 S	200.1017.143.04
AP100/8 D		AP100/8 S	200.1018.143.02
AP100/10 D		AP100/10 S	

Accessories

Flange connectors: RF197 - RF198 - RF199

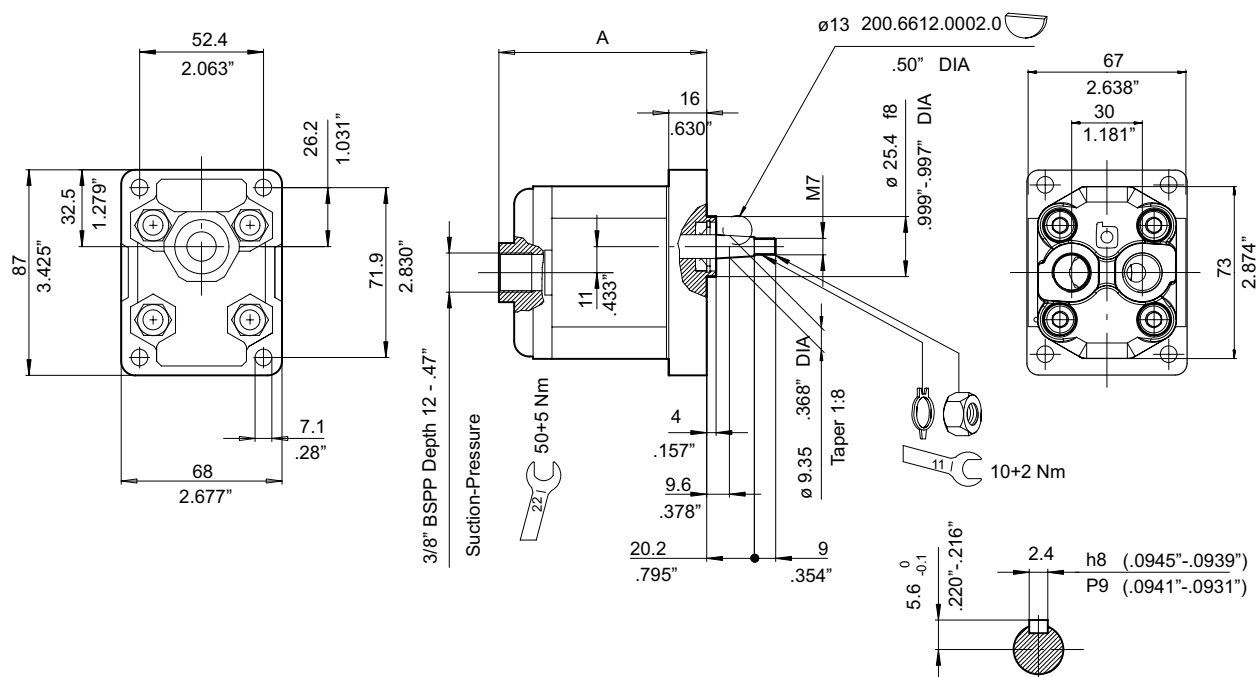


Group

AP100

Code

318

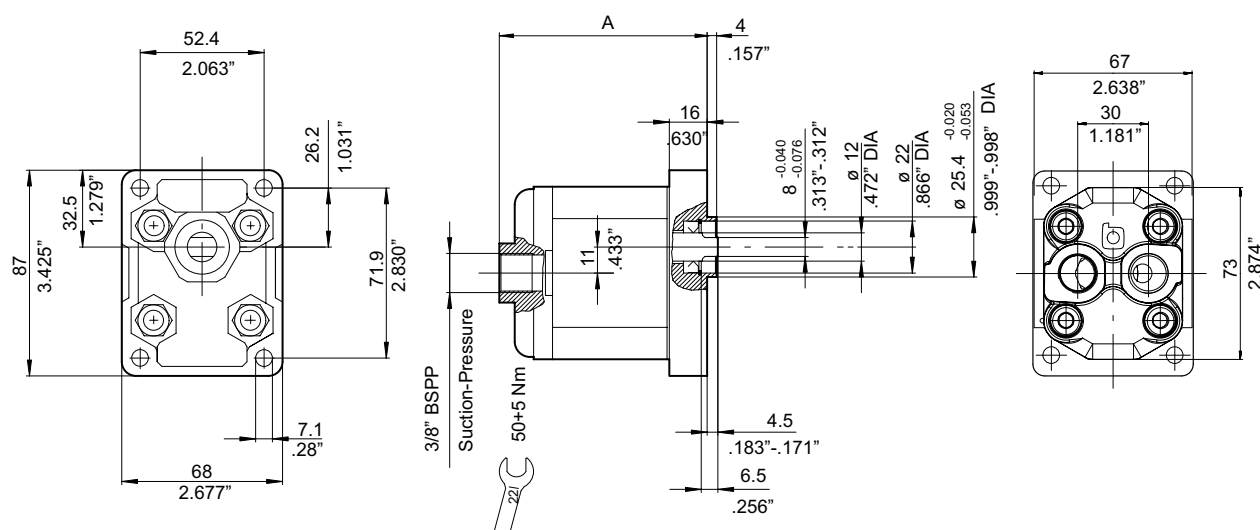


Type	Displacement cm ³ /rev	Dimensions A	
		mm	inch.
AP100/1.2	1.2	82.5	3.25
AP100/1.7	1.7	84.5	3.33
AP100/2.5	2.5	88	3.46
AP100/3.5	3.5	92	3.62
AP100/4.3	4.3	96	3.78
AP100/5	5	98.5	3.88
AP100/6.5	6.5	103.5	4.07
AP100/8	7.8	109	4.29

Clockwise rotation: D		Counter-clockwise rotation: S	
Type	Order Code	Type	Order Code
AP100/1.2 D	200.1011.132.05	AP100/1.2 S	200.1011.133.05
AP100/1.7 D	200.1012.132.04	AP100/1.7 S	200.1012.133.05
AP100/2.5 D	200.1013.132.04	AP100/2.5 S	200.1013.133.04
AP100/3.5 D	200.1014.132.05	AP100/3.5 S	200.1014.133.04
AP100/4.3 D	200.1015.132.04	AP100/4.3 S	200.1015.133.05
AP100/5 D	200.1016.132.04	AP100/5 S	200.1016.133.07
AP100/6.5 D	200.1017.132.04	AP100/6.5 S	200.1017.133.04
AP100/8 D	200.1018.132.03	AP100/8 S	200.1018.133.03

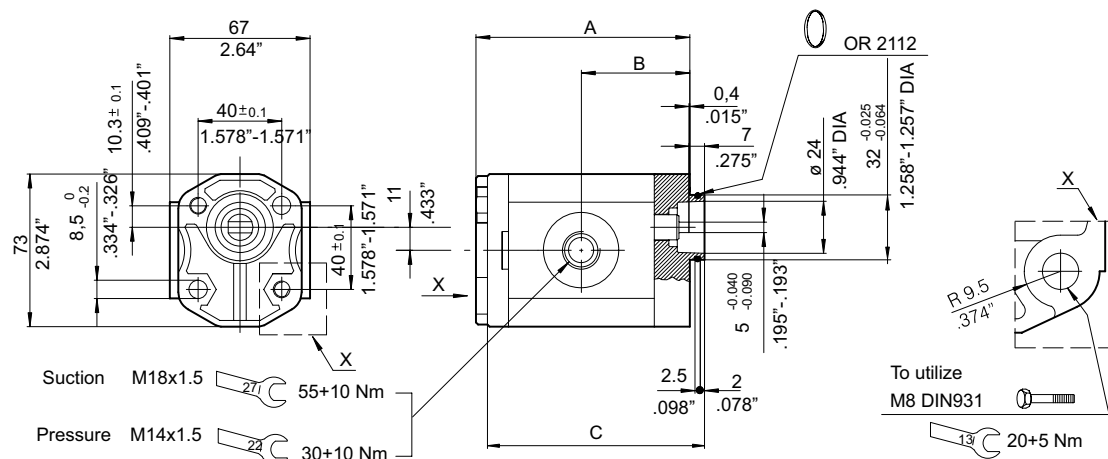
Accessories

Splined couplings: GSH-1-12 - GSH-1-14

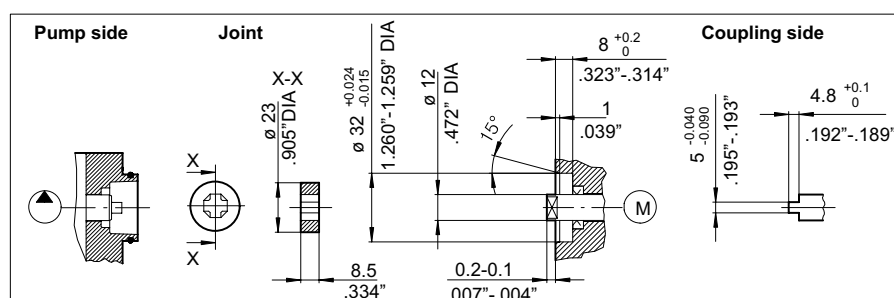
Group **AP100** Code **319**


Type	Displacement cm ³ /rev	Dimensions A	
		mm	inch.
AP100/1.2	1.2	82.5	3.25
AP100/1.7	1.7	84.5	3.33
AP100/2.5	2.5	88	3.46
AP100/3.5	3.5	92	3.62
AP100/4.3	4.3	96	3.78
AP100/5	5	98.5	3.88
AP100/6.5	6.5	103.5	4.07
AP100/8	7.8	109	4.29
AP100/10	10	118	4.64

Clockwise rotation: D		Counter-clockwise rotation: S	
Type	Order Code	Type	Order Code
AP100/1.2 D		AP100/1.2 S	200.1011.143.07
AP100/1.7 D		AP100/1.7 S	200.1012.143.08
AP100/2.5 D		AP100/2.5 S	200.1013.143.07
AP100/3.5 D	200.1014.142.01	AP100/3.5 S	200.1014.143.07
AP100/4.3 D		AP100/4.3 S	200.1015.143.08
AP100/5 D	200.1016.142.01	AP100/5 S	200.1016.143.05
AP100/6.5 D	200.1017.142.02	AP100/6.5 S	200.1017.143.05
AP100/8 D		AP100/8 S	200.1018.143.03
AP100/10 D		AP100/10 S	

Group **AP100** Code **849**


Max pressure (M max= 25 Nm)			
Pump	P bar (PSI)		
	P1	P2	P3
AP100/6.5	160 (2300)	180 (2600)	200 (2900)
AP100/8	130 (1900)	150 (2100)	170 (2400)



Type	Displacement cm ³ /rev	Dimensions					
		A		B		C	
		mm	inch.	mm	inch.	mm	inch.
AP100/1.2	1.2	82.5	3.25	38.5	1.51	70	2.75
AP100/1.7	1.7	84.5	3.33	39.5	1.55	72	2.83
AP100/2.5	2.5	88	3.46	41	1.61	75.5	2.97
AP100/3.5	3.5	92	3.62	43.5	1.71	80	3.15
AP100/4.3	4.3	96	3.78	45	1.77	83.5	3.29
AP100/5	5	98.5	3.88	46.5	1.83	86	3.38
AP100/6.5	6.5	103.5	4.07	49	1.93	91	3.58
AP100/8	7.8	109	4.29	52	2.05	97	3.81

Clockwise rotation: D		Counter-clockwise rotation: S	
Type	Order Code	Type	Order Code
AP100/1.2 D	200.1011.442.01	AP100/1.2 S	200.1011.443.03
AP100/1.7 D	200.1012.442.02	AP100/1.7 S	200.1012.443.03
AP100/2.5 D	200.1013.442.03	AP100/2.5 S	200.1013.443.03
AP100/3.5 D	200.1014.442.01	AP100/3.5 S	200.1014.443.03
AP100/4.3 D	200.1015.442.01	AP100/4.3 S	200.1015.443.03
AP100/5 D	200.1016.442.01	AP100/5 S	200.1016.443.01
AP100/6.5 D	200.1017.442.01	AP100/6.5 S	200.1017.443.02
AP100/8 D	200.1018.442.01	AP100/8 S	200.1018.443.04

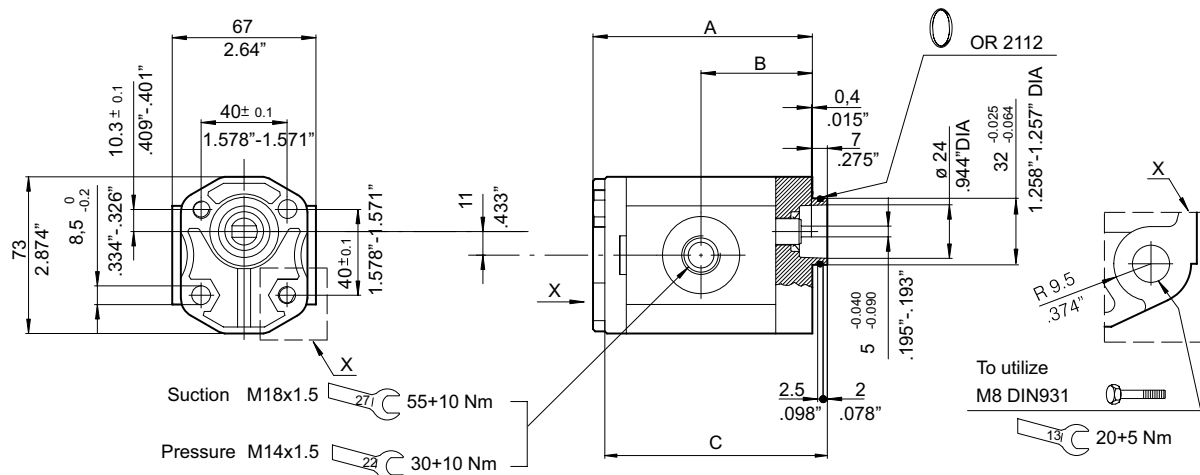
Note: With respect to the standards, the maximum pressures of some versions of this pump are reduced in relation to the max. torque allowed to the shaft.

Group

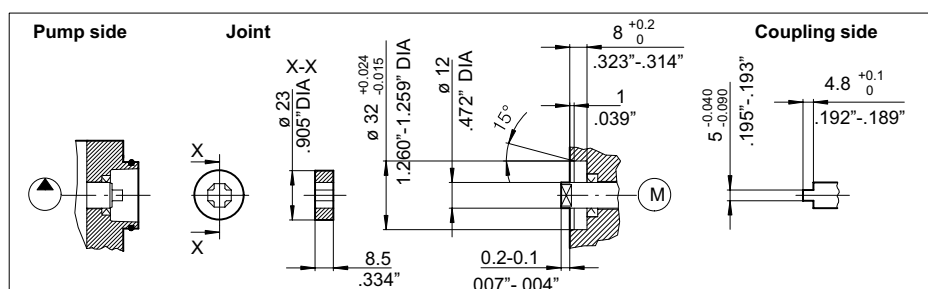
AP100

Code

849P



Max pressure (M max= 25 Nm)			
Pump	bar (PSI)		
	P1	P2	P3
AP100/6.5	160 (2300)	180 (2600)	200 (2900)
AP100/8	130 (1900)	150 (2100)	170 (2400)



Type	Displacement cm ³ /rev	Dimensions					
		A		B		C	
		mm	inch.	mm	inch.	mm	inch.
AP100/1.2	1.2	82.5	3.25	38.5	1.51	70	2.75
AP100/1.7	1.7	84.5	3.33	39.5	1.55	72	2.83
AP100/2.5	2.5	88	3.46	41	1.61	75.5	2.97
AP100/3.5	3.5	92	3.62	43.5	1.71	80	3.15
AP100/4.3	4.3	96	3.78	45	1.77	83.5	3.29
AP100/5	5	98.5	3.88	46.5	1.83	86	3.38
AP100/6.5	6.5	103.5	4.07	49	1.93	91	3.58
AP100/8	7.8	109	4.29	52	2.05	97	3.81

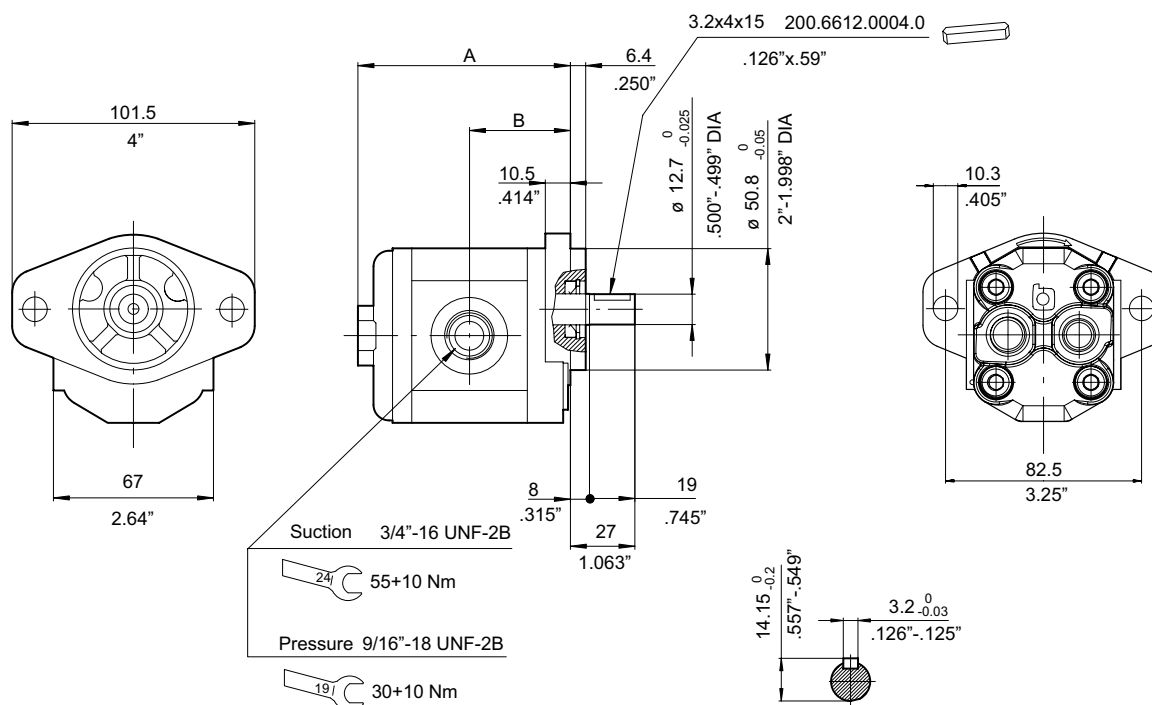
Clockwise rotation: D		Counter-clockwise rotation: S	
Type	Order Code	Type	Order Code
AP100/1.2 D	200.1011.442.02	AP100/1.2 S	200.1011.443.04
AP100/1.7 D	200.1012.442.03	AP100/1.7 S	200.1012.443.04
AP100/2.5 D	200.1013.442.04	AP100/2.5 S	200.1013.443.04
AP100/3.5 D	200.1014.442.02	AP100/3.5 S	200.1014.443.04
AP100/4.3 D	200.1015.442.02	AP100/4.3 S	200.1015.443.04
AP100/5 D	200.1016.442.02	AP100/5 S	200.1016.443.02
AP100/6.5 D	200.1017.442.02	AP100/6.5 S	200.1017.443.03
AP100/8 D	200.1018.442.02	AP100/8 S	200.1018.443.02

Note: With respect to the standards, the maximum pressures of some versions of this pump are reduced in relation to the max. torque allowed to the shaft.

Group

AP100

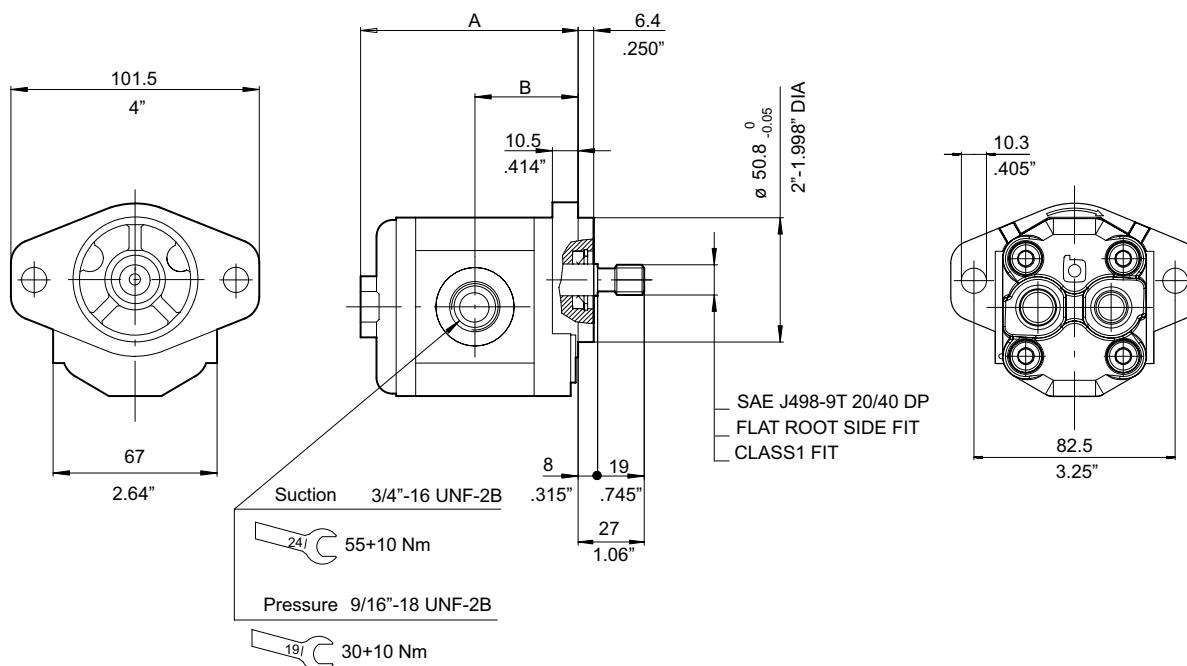
Code

880


Type	Displacement cm ³ /rev	Dimensions			
		A		B	
		mm	inch.	mm	inch.
AP100/1.2	1.2	83.5	3.29	39.5	1.56
AP100/1.7	1.7	85.5	3.37	40.5	1.60
AP100/2.5	2.5	89	3.50	42	1.65
AP100/3.5	3.5	93	3.66	44.5	1.75
AP100/4.3	4.3	97	3.82	46	1.81
AP100/5	5	99.5	3.92	47.5	1.87
AP100/6.5	6.5	104.5	4.11	50	1.97
AP100/8	8	110	4.33	53	2.09

Clockwise rotation: D		Counter-clockwise rotation: S	
Type	Order Code	Type	Order Code
AP100/1.2 D	200.1011.802.01	AP100/1.2 S	200.1011.803.01
AP100/1.7 D	200.1012.802.01	AP100/1.7 S	200.1012.803.01
AP100/2.5 D	200.1013.802.01	AP100/2.5 S	200.1013.803.01
AP100/3.5 D	200.1014.802.05	AP100/3.5 S	200.1014.803.01
AP100/4.3 D	200.1015.802.01	AP100/4.3 S	200.1015.803.03
AP100/5 D	200.1016.802.01	AP100/5 S	200.1016.803.01
AP100/6.5 D	200.1017.802.01	AP100/6.5 S	200.1017.803.01
AP100/8 D	200.1018.802.01	AP100/8 S	200.1018.803.01

Group **AP100** Code **887S**



Type	Displacement cm ³ /rev	Dimensions			
		A		B	
		mm	inch.	mm	inch.
AP100/1.2	1.2	83.5	3.29	39.5	1.56
AP100/1.7	1.7	85.5	3.37	40.5	1.60
AP100/2.5	2.5	89	3.50	42	1.65
AP100/3.5	3.5	93	3.66	44.5	1.75
AP100/4.3	4.3	97	3.82	46	1.81
AP100/5	5	99.5	3.92	47.5	1.87
AP100/6.5	6.5	104.5	4.11	50	1.97
AP100/8	7.8	110	4.33	53	2.09

Clockwise rotation: D		Counter-clockwise rotation: S	
Type	Order Code	Type	Order Code
AP100/1.2 D	200.1011.862.01	AP100/1.2 S	200.1011.863.01
AP100/1.7 D	200.1012.862.01	AP100/1.7 S	200.1012.863.01
AP100/2.5 D	200.1013.862.01	AP100/2.5 S	200.1013.863.01
AP100/3.5 D	200.1014.862.01	AP100/3.5 S	200.1014.863.01
AP100/4.3 D	200.1015.862.01	AP100/4.3 S	200.1015.863.01
AP100/5 D	200.1016.862.01	AP100/5 S	200.1016.863.01
AP100/6.5 D	200.1017.862.01	AP100/6.5 S	200.1017.863.02
AP100/8 D	200.1018.862.01	AP100/8 S	200.1018.863.01

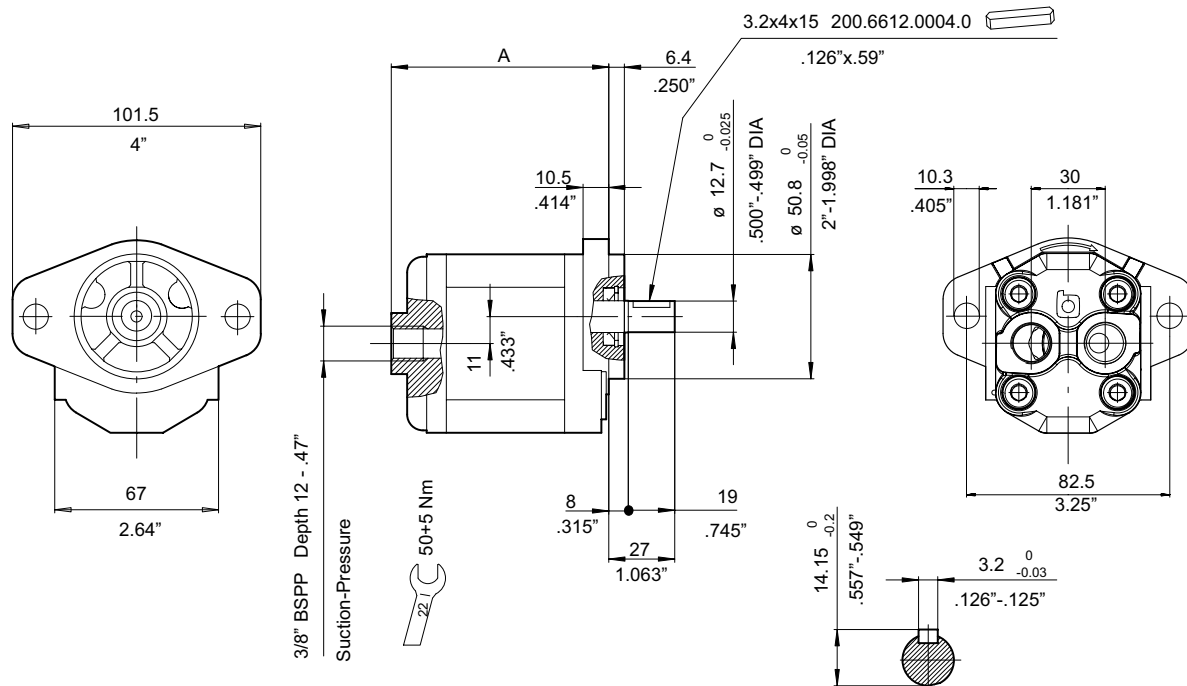


Group

AP100

Code

380



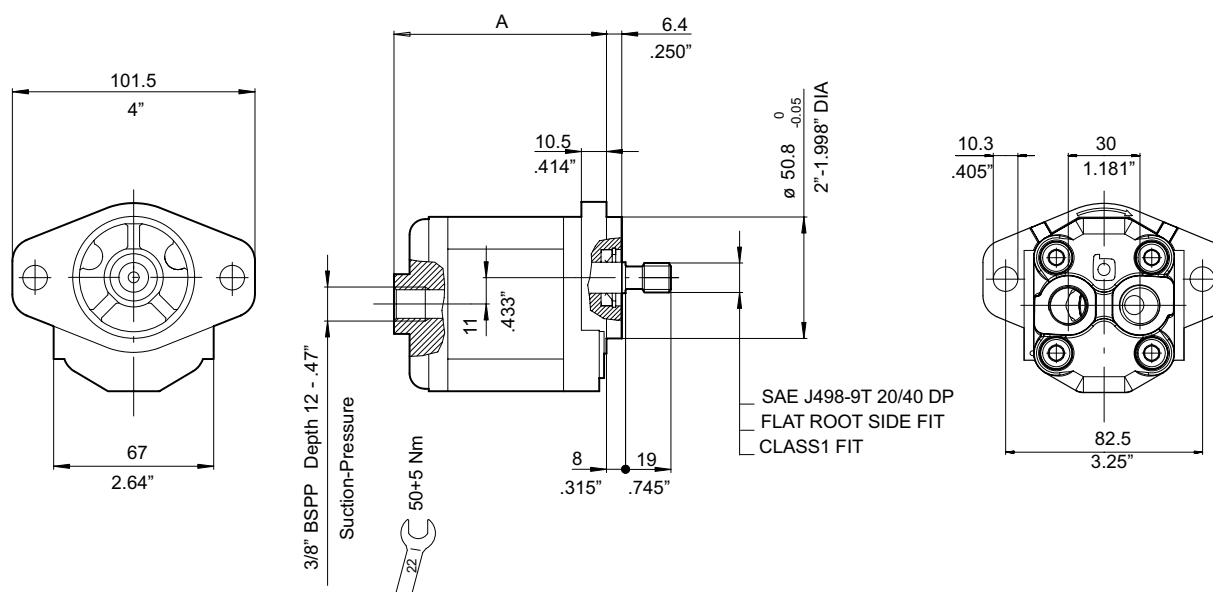
Type	Displacement cm ³ /rev	Dimensions A	
		mm	inch
AP100/1.2	1.2	83.5	3.29
AP100/1.7	1.7	85.5	3.37
AP100/2.5	2.5	89	3.50
AP100/3.5	3.5	93	3.66
AP100/4.3	4.3	97	3.82
AP100/5	5	99.5	3.92
AP100/6.5	6.5	104.5	4.11
AP100/8	7.8	110	4.33

Clockwise rotation: D		Counter-clockwise rotation: S	
Type	Order Code	Type	Order Code
AP100/1.2 D		AP100/1.2 S	
AP100/1.7 D	200.1012.802.06	AP100/1.7 S	
AP100/2.5 D		AP100/2.5 S	
AP100/3.5 D	200.1014.802.07	AP100/3.5 S	
AP100/4.3 D		AP100/4.3 S	
AP100/5 D	200.1016.802.05	AP100/5 S	
AP100/6.5 D	200.1017.802.05	AP100/6.5 S	
AP100/8 D	200.1018.802.05	AP100/8 S	

Group

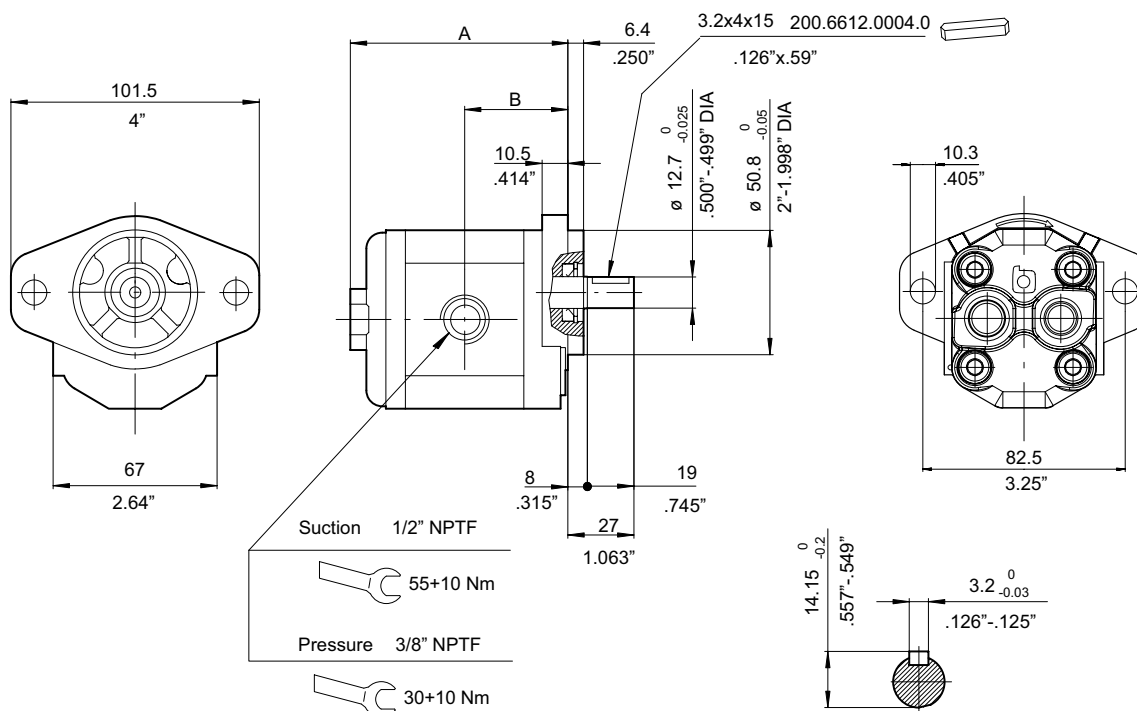
AP100

Code

387S


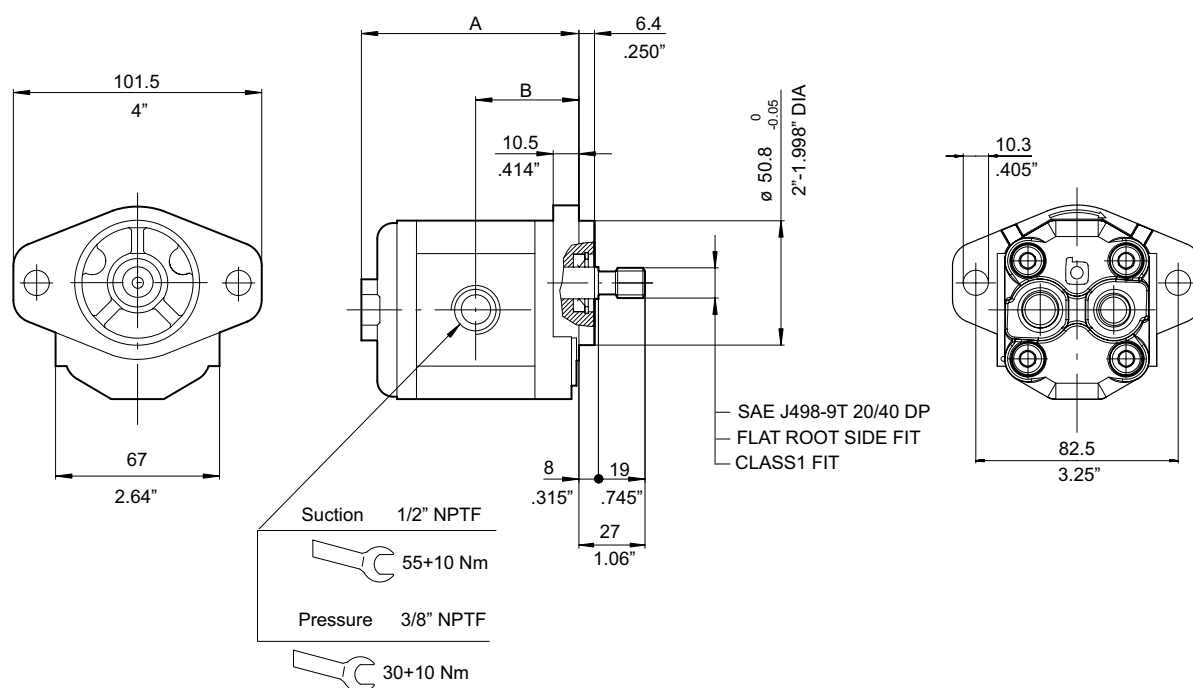
Type	Displacement cm ³ /rev	Dimensions A	
		mm	inch
AP100/1.2	1.2	83.5	3.29
AP100/1.7	1.7	85.5	3.37
AP100/2.5	2.5	89	3.50
AP100/3.5	3.5	93	3.66
AP100/4.3	4.3	97	3.82
AP100/5	5	99.5	3.92
AP100/6.5	6.5	104.5	4.11
AP100/8	8	110	4.33

Clockwise rotation: D		Counter-clockwise rotation: S	
Type	Order Code	Type	Order Code
AP100/1.2 D		AP100/1.2 S	
AP100/1.7 D		AP100/1.7 S	
AP100/2.5 D		AP100/2.5 S	
AP100/3.5 D		AP100/3.5 S	
AP100/4.3 D		AP100/4.3 S	
AP100/5 D		AP100/5 S	
AP100/6.5 D		AP100/6.5 S	
AP100/8 D		AP100/8 S	

Group **AP100** Code **880 NPTF**


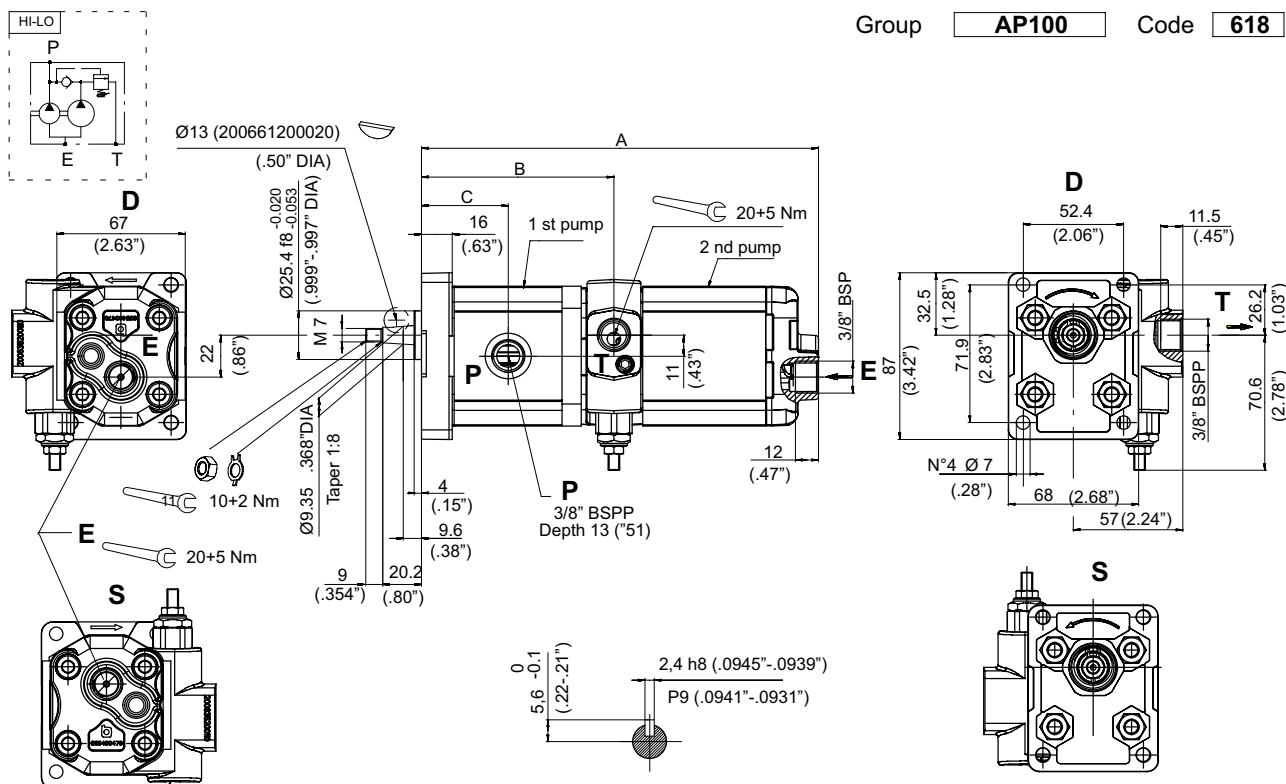
Type	Displacement cm ³ /rev	Dimensions			
		mm	A inch.	mm	B inch.
AP100/1.2	1.2	83.5	3.29	39.5	1.56
AP100/1.7	1.7	85.5	3.37	40.5	1.60
AP100/2.5	2.5	89	3.50	42	1.65
AP100/3.5	3.5	93	3.66	44.5	1.75
AP100/4.3	4.3	97	3.82	46	1.81
AP100/5	5	99.5	3.92	47.5	1.87
AP100/6.5	6.5	104.5	4.11	50	1.97
AP100/8	8	110	4.33	53	2.09

Clockwise rotation: D		Counter-clockwise rotation: S	
Type	Order Code	Type	Order Code
AP100/1.2 D	200.1011.802.02	AP100/1.2 S	200.1011.803.02
AP100/1.7 D	200.1012.802.02	AP100/1.7 S	200.1012.803.02
AP100/2.5 D	200.1013.802.02	AP100/2.5 S	200.1013.803.02
AP100/3.5 D	200.1014.802.02	AP100/3.5 S	200.1014.803.02
AP100/4.3 D	200.1015.802.02	AP100/4.3 S	200.1015.803.01
AP100/5 D	200.1016.802.02	AP100/5 S	200.1016.803.02
AP100/6.5 D	200.1017.802.02	AP100/6.5 S	200.1017.803.02
AP100/8 D	200.1018.802.02	AP100/8 S	200.1018.803.02

Group **AP100** Code **887S NPTF**


Type	Displacement cm ³ /rev	Dimensions			
		mm	inch.	mm	inch.
AP100/1.2	1.2	83.5	3.29	39.5	1.56
AP100/1.7	1.7	85.5	3.37	40.5	1.60
AP100/2.5	2.5	89	3.50	42	1.65
AP100/3.5	3.5	93	3.66	44.5	1.75
AP100/4.3	4.3	97	3.82	46	1.81
AP100/5	5	99.5	3.92	47.5	1.87
AP100/6.5	6.5	104.5	4.11	50	1.97
AP100/8	7.8	110	4.33	53	2.09

Clockwise rotation: D		Counter-clockwise rotation: S	
Type	Order Code	Type	Order Code
AP100/1.2 D		AP100/1.2 S	
AP100/1.7 D		AP100/1.7 S	
AP100/2.5 D		AP100/2.5 S	
AP100/3.5 D		AP100/3.5 S	
AP100/4.3 D		AP100/4.3 S	
AP100/5 D		AP100/5 S	
AP100/6.5 D		AP100/6.5 S	
AP100/8 D		AP100/8 S	

Group **AP100** Code **618**


Pump AP100		Dimension				Existing code		
1 st Pump	2 nd Pump	A		B	C	Order Code	Description	Pressure Setting (bar)
		mm	inches	mm (inch)	mm (inch)			
AP100/1,2	AP100/2,5	177,5	7,00	38,5 (1,51")	87 (3,42")	200111113213	AP100/1,2-2,5.06 D 618	60
						200111113303	AP100/1,2-2,5.06 S 618	
AP100/1,2	AP100/3,5	182	7,17			200111113212	AP100/1,2-3,5.06 D 618	60
AP100/1,2	AP100/4,3	185,5	7,30					
AP100/1,2	AP100/5	188	7,40			200111113215	AP100/1,2-5,0.05 D 618	50
AP100/1,2	AP100/6,5	193	7,60			200111113211	AP100/1,2-6,5.05 D 618	50
AP100/1,7	AP100/5	190	7,48	39,50 (1,55")	89 (3,50")	200111213206	AP100/1,7-5,0.03 D 618	30
AP100/1,7	AP100/6,5	179,5	7,07			200111213302	AP100/1,7-6,5 .06 S 618	60
AP100/1,7	AP100/8	201	7,91					
AP100/2,5	AP100/3,5	187	7,36	41,2 (1,62")	92,50 (3,64")			
AP100/2,5	AP100/4,3	191	7,52			200111413302	AP100/3,5-4,3.05 S 618	50
AP100/2,5	AP100/5	193,5	7,62					
AP100/2,5	AP100/6,5	198,5	7,81	43,35 (1,70")	97 (3,81")	200111313206	AP100/2,5-6,5.05 D 618	50
						200111313207	AP100/2,5-6,5.03 D 618	30
AP100/3,5	AP100/4,3	195	7,68			200111413302	AP100/3,5-4,3.05 S 618	50
AP100/3,5	AP100/6,5	203	8,00			200111413206	AP100/3,5-6,5.06 D 618	60
AP100/3,5	AP100/8	208,5	8,21	45,15 (1,77")	100,5 (3,95")	200111413205	AP100/3,5-8,0.03 D 618	30
AP100/4,3	AP100/4,3	199	7,83			200111513208	AP100/4,3-4,3.03 D 618	30
						200111513304	AP100/4,3-4,3.05 S 618	50
AP100/4,3	AP100/6,5	206,5	8,13			200111513207	AP100/4,3-6,5 03 D 618	30
						200111513209	AP100/4,3-6,5.06 D 618	60

Example:

Pump					Hi-Lo		Series												
A	P	1	0	0	/	1	,	2	-	6	,	5		0	5	S	6	1	8
1st pump					2nd pump					Setting Valve									

Note (*): For availability of pumps without ordering code please contact our Sales Department.

Standard setting values for HI-LO valve:
03= 30 bar (pressure range 15 ÷ 55 bar)
06= 60 bar (pressure range 55 ÷ 90 bar)