



CODIFICATION CHART - P3000 SERIES

OP	3003	C	P	S	T	B	N
Frame Size	Displacement	Direction of Rotation	Shaft	Mounting Flange	Inlet & Outlet Ports	End Cover	Seals
AVAILABLE IN SERIES				0P	1P	2P	3P
Direction of Rotation							
C	Clockwise			Y	Y	Y	Y
A	Anti Clockwise			Y	Y	Y	Y
Shaft							
P	Parallel with Key			Y	Y	Y	Y
L	Parallel with Key - SAE AA			Y	Y		
T	Taper 1:8			Y	Y	Y	Y
S	SAE Spline				Y	Y	Y
U	Parallel with Key - External Thread				Y		
K	Taper 1:5				Y		
G	Spline - 11 Teeth				Y		
D	Spline - DIN standard				Y		
Q	Spline - Quill Adaptor					Y	
J	Spline - JIS standard						Y
B	Spline 15 Teeth						Y
Mounting Flange							
D	Dowty - 4 bolt			Y	Y	Y	Y
S	SAE A - 2 bolt (Std Profile)			Y	Y	Y	Y
A	SAE AA - 2 bolt				Y		
K	Deutz mounting				Y		
X	SAE - 2 bolt (Quill K2) - 2P					Y	
H	SAE - 6 bolt (Quill K2) - 2P					Y	
B	SAE B - 4 bolt 3P						Y
C	SAE C - 4 bolt - 3P						Y
2	SAE B - 4 bolt - Bearing Support						Y
3	SAE C - 4 bolt - Bearing Support						Y



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AVAILABLE IN SERIES		0P	1P	2P	3P
Body Ports					
F	Dowty - Std Profile	Y	Y	Y	Y
T	Threaded - Std Profile	Y	Y	Y	
S	SAE - Std Profile		Y	Y	Y
J	SAE 'O' Ring	Y	Y	Y	Y
B	Dowty - 7355 Profile		Y		
A	Threaded - 7355 Profile		Y		
End Cover					
B	Standard	Y	Y	Y	Y
A	Transport Cover	Y	Y	Y	Y
R	With Relief Valve	Y	Y		
D	With Discharge*	Y	Y	Y	Y
I	With Suction*		Y		
S	With Suction & Discharge*		Y		
Seals					
N	All Nitrile with one shaft seal	Y	Y	Y	Y
V	All Viton with one shaft seal	Y	Y	Y	Y
E	All Nitrile with two shaft seals*	Y	Y	Y	
D	All Viton with two shaft seals*	Y	Y	Y	
G	All Nitrile with one each Nitrile & Viton shaft seal*	Y	Y	Y	
H	All Viton with one each Nitrile & Viton shaft seal*	Y	Y	Y	

* May not be available in all configurations – contact Dynamatic®.



EXAMPLE OF ORDERING CODE

OP	3006	C	P	S	T	B	N
Frame Size	Displacement	Direction of Rotation	Shaft	Mounting Flange	Inlet & Outlet Ports	End Cover	Seals

This order code specifies a single pump of

- OP Frame Size
- P3000 Series
- 1.67 cc/rev capacity
- Clockwise Rotation
- Parallel Shaft
- SAE Mounting Flange
- BSP Ported Body
- Standard End Cover
- Nitrile Seals



CONTAMINATION CHART

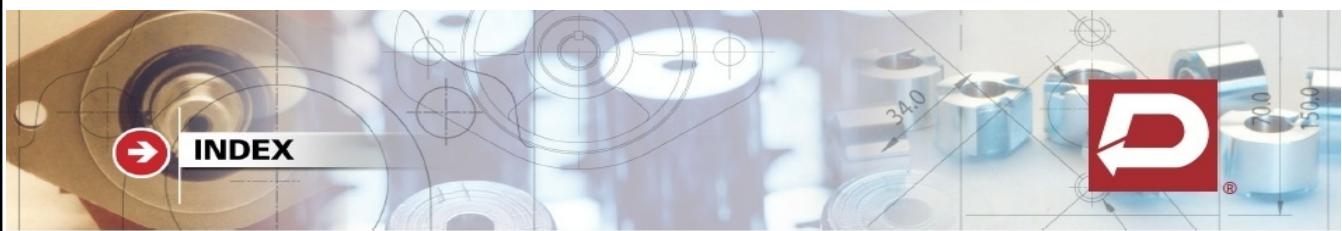
STANDARD		NUMBER OF PARTICLES PER 100 ML				
NAS 1688	ISO 4406	MICRON RANGE μm				
CONT. LEVEL		5 to 15	15 to 25	25 to 50	50 to 100	> 100
00	8/5	125	22	4	1	-
0	9/6	250	44	8	2	-
1	10/7	500	88	16	3	1
2	11/8	1000	178	32	6	1
3	12/9	2000	356	63	11	2
4	13/10	4000	712	126	22	4
5	14/11	8000	1425	253	45	8
6	15/12	16000	2800	506	90	16
7	16/13	32000	5700	1012	180	32
8	17/14	64000	11400	2000	360	64
9	18/15	128000	22800	4100	720	128
10	19/16	256000	45600	8100	1440	256
11	20/17	512000	91200	16200	2800	512
12	21/18	1000000	182000	32400	5800	1024

Dynamatic® recommends, the oil should be filtered during top-up and continuously during operation, to achieve and maintain a minimum cleanliness level of ISO 17/14.



MINERAL OILS FOR USE WITH DYNAMATIC GEAR PUMPS

VISCOSITY GRADE (cst @ 40 deg c)	32-46	68	100
SAE GRADE	10W RANGE	20, 20W RANGE	HEAVIER GRADES
CASTROL	Hyspin AWS 32 Hyspin AWS 46 Hyspin AWH 32 Hyspin AWH 46 Hyspin VG 32 Hyspin VG 46 Deusol CRI 10 Deusol CRH 10 Castrol CRI 10 Castrol CRB 10 Deusol RX Super 10W Deusol RX Super 15W/40 Deusol CRX 10W/40 Castrol CRX 10W/40 Castrolite Agricastrol Multi 10W/30 Agricastrol 10 Agricastrol HDD 10 Agricastrol ATF Deusol TFA Dexron II Castrol TQ Dexron II Deusol TFM 33 Castrol TQF Deusol TFC 310	Hyspin AWS 68 Hyspin AWH 68 Hyspin VG 68 Deusol CRI 20 Deusol CRH 20 Castrol CHI 20 Castrol CRB 20 Deusol RX Super 20 Castrol GTX Agricastrol Multi 20W/30 Agricastrol 20 Agricastrol HDD 20 Deusol Multiplant Alpha SP 68 Alpha ZN 68	Hyspin AWS 100 Hyspin AWH 100 Hyspin VG 100 Deusol CRI 30 Deusol CRH 30 Castrol CRI 30 Castrol CRB 30 Deusol RX Super 30 Agricastrol 30 Agricastrol HDD 30 Deusol TFC 330 Alpha SP 100 Alpha ZN 100
ELF	Albatross 34 Albatross 55	Albatross 73	
AGIP	OSO 35	OSO 55	OSO 75
MOBIL	DTE 24, DTE 25, DTE 13 DTE 15 DTE Oil Light DTE Oil Medium Vacuoline Oil 1405 Super 10W/40 Super 10W/50 Delvac Special 10W/30 Delvac 1210 Delvac 1310 Monil ATF 200 Monil ATF 210 Monil ATF 220 Mobilfluid 423	DTE 26, DTE 16 DTE Oil Heavy Medium Vacuoline Oil 1409 Mobil Super 15W/40 Mobil Super 15W/50 Delvac Special 20W/50 Delvac Super Delvac 1220 Delvac 1320 Mobilfluid 98 Mobilfluid 316 Mobiland Universal Mobiland Super	DTE 18, DTE 19 DTE Oil Heavy Delvac 1230 Delvac 1240 Mobilfluid 422



QUESTIONNAIRE – SINGLE PUMPS

1	Customer					
2	Pump Model					
3	Flow/Displacement					
4	Application					
5	Rated rpm					
6	Working Pressure					
7	Working Pressure Peak					
8	Oil used					
9	Viscosity					
10	Reservoir Capacity					
11	Oil Temperature					
12	Filtration(Suction/any other)					
13	Suction Head(Vacuum)					
14	Cavitation(if any)					
15	Direction of Rotation					
16	Type of shaft					
17	Length of Shaft from the flange surface					
18	Drive Mechanism					
19	Power takeoff from gear box/Crankshaft/Camshaft/Driveshaft/Universal joint					
20	Whether bearing support required					
21	Mounting flange Details					
22	Suction Port details					
23	Delivery port details					
24	Type of Piping					
25	Space restriction (if any)					
26	Remarks/ Suggestions					
27	Annual requirements					



QUESTIONNAIRE - TANDEM PUMPS

1	Customer					
2	Pump Model					
3	Flow/Displacement	Front Pump				
		Rear pump				
4	Application					
5	Rated rpm		Min		Max	
6	Working Pressure	Front Pump	Min		Max	
		Rear Pump	Min		Max	
7	Working Pressure Peak					
8	Oil used					
9	Viscosity					
10	Reservoir Capacity					
11	Oil Temperature					
12	Filtration(Suction/any other)					
13	Suction Head(Vacuum)					
14	Cavitation(if any)					
15	Direction of Rotation					
16	Type of shaft					
17	Length of Shaft from the flange surface					
18	Drive Mechanism					
19	Power takeoff from gear box/Crankshaft/Camshaft/Driveshaft/ Universal joint					
20	Whether bearing support required					
21	Mounting flange Details					
22	Suction Port details	Front Pump				
		Rear pump				
23	Delivery port details	Front Pump				
		Rear pump				
24	Type of Piping					
25	Space restriction (if any)					
26	Remarks/ Suggestions					
27	Annual Requirement					