



# TECH BULLETIN

**036**  
03/94

*Published regarding engineering changes and improvements*

## SUBJECT: How to Identify Your Pump - Cylinder and Plunger Reference Chart

The serial number which is clearly stamped into the lower side of the crankcase above the mounting flange is not intended for pump identification when selecting service parts. These serial numbers can assist you in determining “Effective Dates” for changes in pump construction, performance, or design which are highlighted in the Technical Bulletins. The best way to identify a pump that does not have a model decal, is with the dimensions outlined below.

### CYLINDER REFERENCE CHART

MODEL	P.N.	LENGTH INCHES	LENGTH MM	I.D. INCHES	I.D. MM	O.D. INCHES	O.D. MM
280	26112	1.181	30	.787	20	1.024	26
290	101802	1.378	35	.787	20	1.024	26
323	43768	1.575	40	.866	22	1.142	29
333	25660	1.575	40	.709	18	1.024	26
390	44288	2.205	56	1.260	32	1.398	35.5
430	24285	1.575	40	.787	20	1.024	26
623	28342	1.969	50	.787	20	1.417	36
820	28340	1.969	50	.984	25	1.417	36
1010	28341	1.969	50	1.122	28.5	1.417	36
1020	27823	2.559	65	.984	25	1.850	47
1520	27817	2.559	65	1.122	28.5	1.850	47
2020	28533	2.559	65	1.260	32	1.850	47
2520	27844	2.559	65	1.496	38	1.850	47
6020	29466	4.409	112	2.205	56	2.559	65
6040	43204	4.409	112	1.811	46	2.559	65
6024	43118	6.496	165	1.500	38	2.756	70
6044	43119	6.496	165	1.850	47	2.756	70

- 4FR: Model 430: Cylinder has no groove; two piece piston assembly.  
Model 333: Cylinder has one groove on outside diameter at discharge one piece, machined piston.
- 10FR: Model 623: Cylinder has one groove on outside diameter at discharge end; either one piece machined piston assembly or three piece bac-cup assembly.  
Model 1010: Cylinder has no groove; two piece piston assembly.

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## CERAMIC PLUNGER REFERENCE CHART

MODEL	P.N.	LENGTH INCHES	LENGTH MM	O.D. INCHES	O.D. MM
2DX, 3DX	542403	1.063	27	.630	16
2SF10SEEL-35	544697	.709	18	.709	18
2SF, 2SFX	45847	.551	14	.709	18
2SF29ELS, 2SFX29ELS	45429	.630	16	.709	18
3SP	547091	1.004	25.5	.551	14
4SF	45848	.945	24	.787	20
5DX	46727	1.850	47	.630	16
6DX, 66DX	48752	1.850	47	.551	14
230, 240, 270, 231, 241, 271, 237, 247 277	43901	1.693	43	.709	18
3CP1120, 1130, 1140, 3CP1221, 1231, 1241	46976	1.693	43	.709	18
310, 340, 350, 311, 341, 351, 317, 347, 357, 30, 31, 34, 35	43367	2.835	72	.787	20
5CP2120W, 5CP2140WCS, 5CP2150W, 5CP6120	46841	1.969	50	.787	20
5CP3120, 5CP3120G1	46884	1.969	50	.630	16
5CP5120, 5CP5150G1	46893	1.969	50	.709	18
45	45783	2.835	72	.630	16
550, 51, 55	43311	3.031	77	.630	16
530, 53, 56, 57, 58, 59, 60	43232	3.031	77	.709	18
650, 651, 660, 661, 1861	43300	3.031	77	.787	20
70, 781	45890	2.835	72	.551	14
7CP6170	48559	2.087	53	.866	22
1050, 1051, 1057, 1851	43552	3.031	77	.945	24
1530, 1531	48606	3.622	92	.984	25
1540	48938	2.559	65	1.181	30
2510, 2511	48535	4.331	110	.984	25
2530, 2531, 2537, 2831	45749	3.661	93	1.260	32
3507, 3510, 3801	43945	5.709	145	.787	20
3515, 3517, 3811	43866	5.709	145	.984	25
3520, 3521, 3527, 3821	43957	5.709	145	1.260	32
3531, 3535, 3537, 3831	43921	5.709	145	1.575	40
3541, 3545, 3841	46806	5.709	145	1.772	45
3560	48535	4.331	110	.984	25
6747, 6841	45672	7.283	185	1.772	45
6760, 6761, 6767, 6861	44749	7.283	185	2.165	55
6811	43866	5.709	145	.984	25
6821	43957	5.709	145	1.260	32
6831	43921	5.709	145	1.575	40

## NON-PRODUCTION MODELS REFERENCE CHART

MODEL	P.N.	LENGTH INCHES	LENGTH MM	I.D. INCHES	I.D. MM	O.D. INCHES	O.D. MM
260	24285	1.575	40	.787	20	1.063	27
284	27877	1.319	33.5	.787	20	1.024	26
300	25660	1.575	40	.709	18	1.024	26
* 42HS	45783	2.835	72	—	—	.630	16
* 43HS	45890	2.835	72	—	—	.551	14
400	22161	2.047	52	.787	20	1.024	26
410	24285	1.575	40	.787	20	1.024	26
420	24285	1.575	40	.787	20	1.024	26
500	21984	2.047	52	.787	20	1.024	26
520	28763	1.969	50	.709	18	1.417	36
524	43131	2.579	65.5	1.020	25.9	1.496	38
624	43264	3.071	78	.945	24	1.260	32
* 654	43232	3.031	77	—	—	.709	18
1000	20253	2.559	65	1.122	28.5	1.260	32
1024	28673	2.598	66	1.102	28	1.772	45
1044	29080	2.677	68	1.339	34	1.772	45
2500	13632	3.346	85	1.500	38.1	1.677	42.6

\*Plunger Pump

**OTHER HANDY IDENTIFYING FEATURES ARE:** Mfg. date stamped on underside of crankcase near mounts (DX, SF marked with sticker). Pump stroke stamped in crankshaft end.

Model 260: "T" in serial number  
 Model 400, 410, 420: "A" in serial number  
 Model 1000: "B" in serial number  
 Model 500: "C" in serial number  
 Model 2500: "D" in serial number

**CAT PUMPS**

Technical Services Department