

NB系列单作用活塞泵

NB Series Single Action Piston Pumps

三、五缸系列单作用活塞泵是按照API674标准设计和制造；

主要用于：输送原油、收原油、非开挖定向钻、循环泥浆、小井眼浅层钻井、水井钻探、粉煤灰输送、煤浆输送等。也可用于其他一些需要自吸能力的高压的液体输送工艺中。

系列泵操作维修方便、使用可靠、吸入性能好。不需要灌注，在吸入管线长度小于6M、海拔1500米以下，可以直接从低于泵进口2米以下池子里吸入（如泥浆池、水池、油池等），自然吸入效率> 95%。

液缸体材质：合金钢、 不锈钢、双相钢或者铝青铜；

缸套材质：双金属(高铬铸铁)或者陶瓷；

活塞材质：橡胶、夹布橡胶或者聚氨酯；

进排液阀采用API标准阀、球阀、AR阀等。

Triplex and quintuplex Single Action Piston Pumps are designed and manufactured in accordance with API 674 standard.

Mainly used in: Crude oil transport, Crude oil receiving, trenchless technology(HDD) mud pump, circulation mud, slim hole shallow well drilling, water well drilling, Fly ash transport, and coal slurry transport etc..

This series of pump is easy in operation and maintenance and reliable with good absorbing property. It can be absorbed directly from the ground and pool (such as mud pits, water pools, oil pools, etc.,) within 2 m below the pump inlet, and the Suction pipe length is less than 6 m, without feeding; with natural absorption efficiency > 95%.

It can also apply to other high pressure liquid transportation with self-absorb.

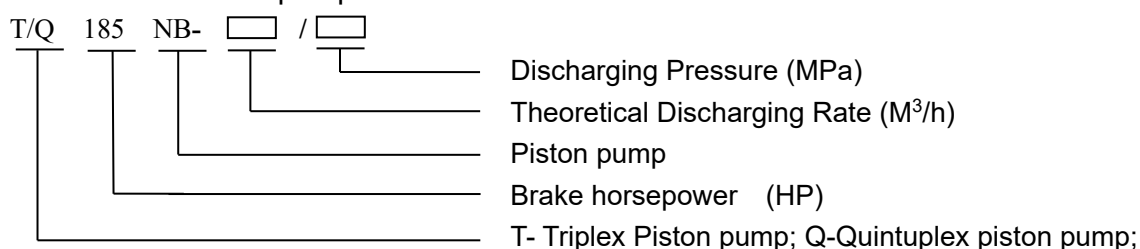
Cylinder material: alloy steel, stainless steel, duplex steel or aluminum bronze;

Liner material: bi-metal (high-chromium iron) or ceramic;

Piston material: NBR / HNBR rubber, kevlar filler rubber or polyurethane;

Suction / discharge valve adopt API standard valve, AR Valve, ball valve etc.

Indications of pump model:



南京雅珑石化装备有限公司
NANJING YALONG PETROCHEMICAL EQUIPMENT TECHNOLOGY Co.,LTD.

型号 Model	活塞行程 Stroke length mm(in)	活塞直径 Piston Dia.(mm)	排出压力 Max. Pressure (Mpa)	理论流量 Theoretical Displacement		泵速 Pump Speed (rpm)	轴功率 BHP (Kw)
				(L/min)	(m3/h)		
T51NB	75	69.85	10.5	202	12.1	234	38.44
				172	10.3	200	32.86
				142	8.5	165	27.11
		76.2	8.8	240	14.4	234	38.34
				205	12.3	200	32.77
				169	10.2	165	27.04
T35NB	80	69.85	7.2	207	12.4	225	27.04
				175	10.5	190	22.83
				142	8.5	155	18.62
		76.2	6	246	14.8	225	26.81
				208	12.5	190	22.64
				170	10.2	155	18.47
		88.9	4.5	335	20.1	225	27.37
				283	17.0	190	23.11
				231	13.8	155	18.86
T50NB	89 (3.5")	76.2	8.2	262	15.7	215	38.95
				219	13.1	180	32.61
				176	10.6	145	26.27
		88.9	5.9	356	21.4	215	38.15
				298	17.9	180	31.94
				240	14.4	145	25.73
		101.6	4.6	465	27.9	215	38.85
				389	23.4	180	32.52
				314	18.8	145	26.20
T60NB	108 (4.25")	76.2	8.7	288	17.3	195	45.49
				244	14.6	165	38.49
				199	12.0	135	31.49
		88.9	6.5	392	23.5	195	46.26
				332	19.9	165	39.14
				271	16.3	135	32.02
		101.6	5	512	30.7	195	41.83
				433	26.0	165	35.39
				354	21.3	135	28.96
T90NB	127 (5")	76.2	12	321	19.3	185	69.99
				269	16.2	155	58.64
				217	13.0	125	47.29
		88.9	8.8	437	26.2	185	69.86
				366	22.0	155	58.54
				295	17.7	125	47.21
		101.6	6.7	571	34.3	185	69.48
				479	28.7	155	58.21
				386	23.2	125	46.94
		114.3	5.3	723	43.4	185	69.56
				606	36.3	155	58.28
				488	29.3	125	47.00
		127	4.3	892	53.5	185	69.67
				748	44.9	155	58.37
				603	36.2	125	47.07

*说明：表中流量基于 100%容积效率计算；轴功率计算基于 90%的机械效率；

表中没有列出所有的柱塞直径，任何满足条件的柱塞都可以生产；进出口连接方式和尺寸请咨询雅珑。

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型号 Model	活塞行程 Strokelenlength mm(in)	活塞直径 Piston Dia.(mm))	排出压力 Max. Pressure (Mpa)	理论流量 Theoretical Displacement		泵速 Pump Speed (rpm)	轴功率 BHP(Kw)
				(L/min)	(m3/h)		
T120NB	100	88.9	13.5	372	22.3	200	91.24
				316	19.0	170	77.55
				261	15.6	140	63.86
		101.6	10.5	486	29.2	200	92.68
				413	24.8	170	78.78
				340	20.4	140	64.88
		114.3	8.3	615	36.9	200	92.73
				523	31.4	170	78.82
				431	25.8	140	64.91
		127	6.8	760	45.6	200	93.79
				646	38.7	170	79.72
				532	31.9	140	65.65
T95NB	125	76.2	12.5	316	19.0	185	71.76
				265	15.9	155	60.13
				214	12.8	125	48.49
		88.9	9	430	25.8	185	70.33
				361	21.6	155	58.92
				291	17.4	125	47.52
		101.6	7	562	33.7	185	71.44
				471	28.3	155	59.86
				380	22.8	125	48.27
		114.3	5.5	711	42.7	185	71.05
				596	35.8	155	59.52
				481	28.8	125	48.00
T180NB	152.4 (6")	88.9	14.7	878	52.7	185	71.76
				736	44.2	155	60.13
				593	35.6	125	48.49
		101.6	11.3	511	30.6	180	136.26
				425	25.5	150	113.55
				340	20.4	120	90.84
		114.3	8.9	667	40.0	180	136.81
				556	33.3	150	114.01
				445	26.7	120	91.21
		127	7.2	844	50.6	180	136.38
				703	42.2	150	113.65
				563	33.8	120	90.92
		139.7	6	1042	62.5	180	136.21
				868	52.1	150	113.50
				695	41.7	120	90.80
		152.4	5	1261	75.6	180	137.34
				1051	63.0	150	114.45
				841	50.4	120	91.56
				1500	90.0	180	136.21
				1250	75.0	150	113.50
				1000	60.0	120	90.80

*Flows are based on 100% volumetric efficiency. Brake Horsepower /Kilowatts Required is based on 90% Mechanical Efficiency.

*Not all plunger sizes are shown, Additional plunger sizes are available. Please contact YaLong for more details. Discharge and Suction Connection mode and size please contact YALONG.

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型号 Model	活塞行程 Stroke length mm(in)	活塞直径 Piston Dia.	排出压力 Max. Pressure (Mpa)	理论流量 Theoretical Displacement		泵速 Pump Speed (rpm)	轴功率 BHP(Kw)
				(L/min)	(m³/h)		
T270NB	127 (5")	101.6	19.5	571	34.3	185	202.21
				479	28.7	155	169.42
				386	23.2	125	136.63
		114.3	15.5	723	43.4	185	203.42
				606	36.3	155	170.43
				488	29.3	125	137.45
		127	12.5	892	53.5	185	202.53
				748	44.9	155	169.69
				603	36.2	125	136.84
		139.7	10.3	1080	64.8	185	201.93
				905	54.3	155	169.19
				730	43.8	125	136.44
T370NB	177 (7")	88.9	26.5	577	34.6	175	277.37
				478	28.7	145	229.82
				379	22.7	115	182.27
		101.6	20	753	45.2	175	273.42
				624	37.4	145	226.55
				495	29.7	115	179.67
		114.3	16	953	57.2	175	276.83
				790	47.4	145	229.38
				626	37.6	115	181.92
		127	13	1177	70.6	175	277.69
				975	58.5	145	230.09
				773	46.4	115	182.48
		139.7	10.7	1424	85.4	175	276.56
				1180	70.8	145	229.15
				936	56.1	115	181.74
		152.4	9	1694	101.7	175	276.83
				1404	84.2	145	229.38
				1113	66.8	115	181.92
		160	8	1867	112.0	175	271.23
				1547	92.8	145	224.73
				1227	73.6	115	178.24
Q275NB	175	76.2	13.5	838	50.3	210	205.28
				658	39.5	165	161.29
				479	28.7	120	117.30
		88.9	10	1140	68.4	210	206.97
				896	53.7	165	162.62
				651	39.1	120	118.27
		101.6	7.5	1489	89.3	210	202.75
				1170	70.2	165	159.30
				851	51.1	120	115.85
		114.3	6	1884	113.1	210	205.28
				1481	88.8	165	161.29
				1077	64.6	120	117.30
		127	5	2327	139.6	210	211.19
				1828	109.7	165	165.94
				1329	79.8	120	120.68

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				(L/min)	(m³/h)		
Q330NB	127 (5")	88.9	18.5	729	43.7	185	244.79
				611	36.6	155	205.10
				492	29.5	125	165.40
		101.6	14.2	952	57.1	185	245.41
				798	47.9	155	205.62
				643	38.6	125	165.82
		127	8.1	1487	89.2	185	245.74
				1246	74.8	155	205.89
				1005	60.3	125	166.04
		139.7	7.5	1800	108.0	185	245.06
				1508	90.5	155	205.32
				1216	73.0	125	165.58
Q360NB	175	88.9	15.5	950	57.0	175	267.34
				787	47.2	145	221.51
				624	37.5	115	175.68
		101.6	12	1241	74.4	175	270.33
				1028	61.7	145	223.99
				815	48.9	115	177.64
		125	8	1878	112.7	175	272.79
				1556	93.4	145	226.03
				1234	74.1	115	179.26
		139.7	6.3	2346	140.8	175	268.32
				1944	116.6	145	222.32
				1542	92.5	115	176.33
152.4	5.4	2792	167.5	175	273.71		
		2313	138.8	145	226.79		
		1835	110.1	115	179.86		
Q500NB	175	101.6	16	1241	74.4	175	360.44
				1028	61.7	145	298.65
				815	48.9	115	236.86
		114.3	12.5	1570	94.2	175	359.24
				1301	78.1	145	297.66
				1032	61.9	115	236.07
		127	10.2	1939	116.3	175	359.03
				1606	96.4	145	297.48
				1274	76.4	115	235.93
		139.7	8.4	2346	140.8	175	357.76
				1944	116.6	145	296.43
				1542	92.5	115	235.10
152.4	7.1	2792	167.5	175	359.87		
		2313	138.8	145	298.18		
		1835	110.1	115	236.49		

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				(L/min)	(m³/h)		
Q620NB	177 (7")	88.9	26.5	961	57.7	175	462.28
				796	47.8	145	383.03
				631	37.9	115	303.78
		101.6	20	1255	75.3	175	455.70
				1040	62.4	145	377.58
				825	49.5	115	299.46
		114.3	16	1588	95.3	175	461.39
				1316	79.0	145	382.30
				1044	62.6	115	303.20
		127	13	1961	117.7	175	462.82
				1625	97.5	145	383.48
				1289	77.3	115	304.14
		139.7	10.7	2373	142.4	175	460.93
				1966	118.0	145	381.91
				1559	93.6	115	302.90
		152.4	9	2824	169.4	175	461.39
				2340	140.4	145	382.30
				1856	111.3	115	303.20
		160	8	3112	186.7	175	452.05
				2579	154.7	145	374.56
				2045	122.7	115	297.06
Q1000NB	178 (7")	101.6	33	1262	75.7	175	756.15
				1046	62.7	145	626.52
				829	49.8	115	496.90
		114.3	26	1597	95.8	175	754.00
				1323	79.4	145	624.74
				1050	63.0	115	495.48
		127	21	1972	118.3	175	751.85
				1634	98.0	145	622.96
				1296	77.8	115	494.07
		139.7	17.5	2386	143.2	175	758.11
				1977	118.6	145	628.15
				1568	94.1	115	498.19
		152.4	14.8	2840	170.4	175	763.02
				2353	141.2	145	632.22
				1866	112.0	115	501.41
Q375NB	200	88.9	15.5	1024	61.4	165	278.78
				838	50.3	135	228.09
				651	39.1	105	177.40
		101.6	11.5	1337	80.2	165	279.15
				1094	65.6	135	228.40
				851	51.1	105	177.64
		114.3	9	1692	101.5	165	276.50
				1385	83.1	135	226.23
				1077	64.6	105	175.95
		120	8.2	1865	111.9	165	277.67
				1526	91.6	135	227.19
				1187	71.2	105	176.70
		139.7	6	2346	140.8	175	268.32
				1944	116.6	145	222.32
				1542	92.5	115	176.33
		152.4	5.4	2792	167.5	175	273.71
				2313	138.8	145	226.79
				1835	110.1	115	179.86