



Efficient performance for your service

PETROFLOW

APPLICATIONS PUMPS

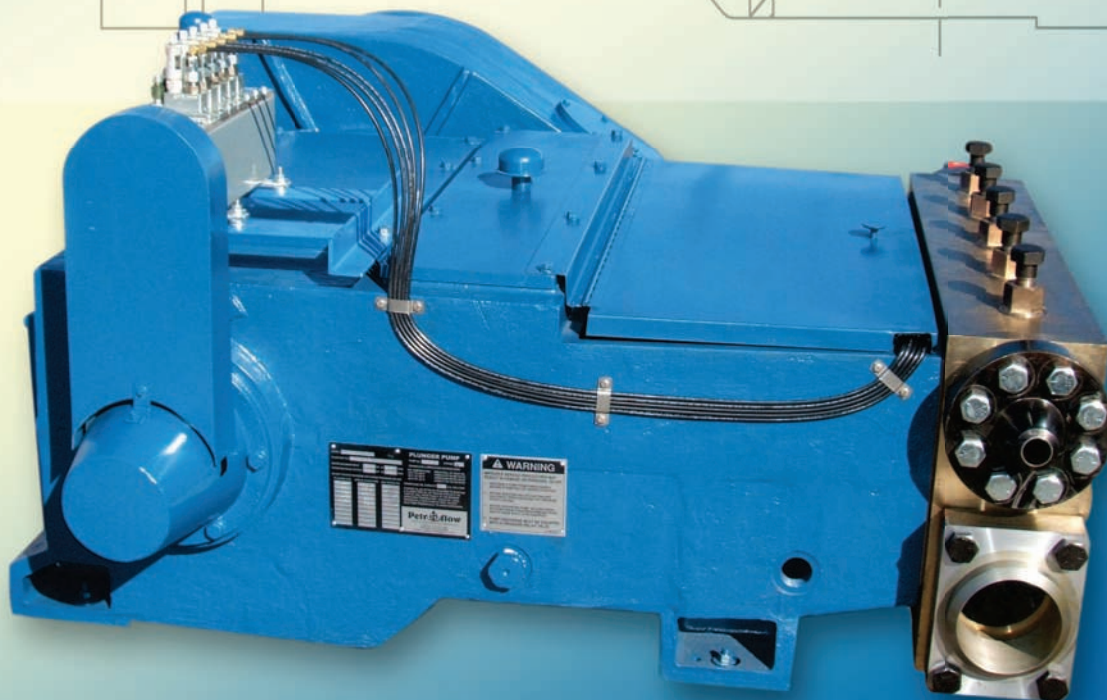
PETROFLOW Pumps leads the field in the petroleum industries.

Continuous Duty.

Intermittent Service.

Well Servicing and Production Pumps.

We have a model for every job, oil pumping, pipeline.



MODEL Q-300 QUINTUPLEX PUMP

Bulletin 03 – 201
1st Edition of 1@mo 2007

Petroflow

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SPECIFICATIONS

Breaking Horse Power : 300 HP (224 kW)
 Maximum RPM : 400
 No. of Plungers : 5
 Stroke Length : 5 Inch (127 MM)
 Plunger size : 1-1/2 to 4 in. (38.1 - 101.6 MM)
 Gear Ratio : 4.38:1
 Weight Pump only : 6,840 Pounds (3,103 Kg)
 Weight Gear Reducer : 1,100 Pounds (499 Kg)
 Pump oil capacity : 12 Gallons
 Gear Reducer oil capacity : 3.5 Gallons

NOTE:

Based on 90% Mechanical Efficiency and
100% Volumetric Efficiency

300 Q 5S PERFORMANCE CHART

PUMP MODEL	PLUNGER DIA. IN.	PLUNGER AREA SQ. IN.	BPD PER RPM	GPM PER REV.	MAX PRESION PSI	DISPLACEMENT Rated plunger load 10700 pounds (4853.5Kg)													
						100		150		200		250		300		350		400	
						RPM	GPM	RPM	GPM	RPM	GPM	RPM	GPM	RPM	GPM	RPM	GPM	RPM	GPM
300-5S-H	1.500	1.7671	6.5571	0.1913	5000	19.13	656	28.69	984	38.25	1311	47.81	1639	57.38	1967	66.94	2295	76.50	2623
	1.625	2.0739	7.6955	0.2245	4720	22.45	770	33.67	1154	44.89	1539	56.11	1924	67.34	2309	78.56	2693	89.78	3078
	1.750	2.4053	8.9250	0.2603	4070	26.03	893	39.05	1339	52.06	1785	65.08	2231	78.09	2678	91.11	3124	104.13	3570
	1.875	2.7612	10.2455	0.2988	3550	29.88	1025	44.82	1537	59.77	2049	74.71	2561	89.65	3074	104.59	3586	119.53	4098
	2.000	3.1416	11.6571	0.3400	3120	34.00	1166	51.00	1749	68.00	2331	85.00	2914	102.00	3497	119.00	4080	136.00	4663
300-5S-M	2.000	3.1416	11.6571	0.3400	3120	34.00	1166	51.00	1749	68.00	2331	85.00	2914	102.00	3497	119.00	4080	136.00	4663
	2.250	3.9761	14.7536	0.4303	2470	43.03	1475	64.55	2213	86.06	2951	107.58	3688	129.09	4426	150.61	5164	172.13	5901
	2.500	4.9087	18.2143	0.5313	2000	53.13	1821	79.69	2732	106.25	3643	132.81	4554	159.38	5464	185.94	6375	212.50	7286
	2.750	5.9396	22.0393	0.6428	1650	64.28	2204	96.42	3306	128.56	4408	160.70	5510	192.84	6612	224.98	7714	257.13	8816
300-5S-L	2.750	5.9396	22.0393	0.6428	1650	64.28	2204	96.42	3306	128.56	4408	160.70	5510	192.84	6612	224.98	7714	257.13	8816
	3.000	7.0686	26.2286	0.7650	1390	76.50	2623	114.75	3934	153.00	5246	191.25	6557	229.50	7869	267.75	9180	306.00	10491
	3.250	8.2958	30.7821	0.8978	1180	89.78	3078	134.67	4617	179.56	6156	224.45	7696	269.34	9235	314.23	10774	359.13	12313
	3.500	9.6211	35.7000	1.0413	1020	104.13	3570	156.19	5355	208.25	7140	260.31	8925	312.38	10710	364.44	12495	416.50	14280
	3.750	11.0447	40.9821	1.1953	890	119.53	4098	179.30	6147	239.06	8196	298.83	10246	358.59	12295	418.36	14344	478.13	16393
	4.000	12.5664	46.6286	1.3600	780	136.00	4663	204.00	6994	272.00	9326	340.00	11657.14	408.00	13989	476.00	16320		
Maximum Brake Horsepower Required						75.00	HP	112.00	HP	150.00	HP	188.00	HP	225.00	HP	263.00	HP	300.00	HP

2308 West 2ND Street
 Odessa, TX 79763
www.petroflow.com
www.pump-o-peint.com

Phone: 432-334-6966
 Fax: 432-334-8787
dbmachine@aol.com