

MORGAN PRODUCTS

PNEUMATIC CHEMICAL PUMPS FOR THE GAS AND OIL INDUSTRIES

HD Series Injectors

Model (No Timer)	Plunger Displacement	Pump Ratio	Stroke Length in - cm.	Connections All NPT Input/Output	Maximum Discharge PSI - BAR	Output Per Hour Gal. / Lts.
HD187	.2 cc	10:1	1/2 - 1.27	1/4 -M / 1/8-F	1000 - 68.9	.01 - .12 / .05 - .46
HD187-3K	.2 cc	30:1	1/2 - 1.27	1/4 -M / 1/8-F	3000 - 206	.01 - .12 / .05 - .46
HD187M	.2 cc	10:1	1/2 - 1.27	1/4 -M / 1/8-F	1000 - 68.9	.005 - .12 / .02 - .46
HD187-3KM	.2 cc	30:1	1/2 - 1.27	1/4 -M / 1/8-F	3000 - 206	.005 - .12 / .02 - .46
HD312	1.0 cc	10:1	1.0 - 2.54	1/4 -M / 1/4-F	1000 - 68.9	.06 - .63 / .24 - 2.4
HD312M	1.0 cc	10:1	1.0 - 2.54	1/4 -M / 1/4-F	1000 - 68.9	.01 - .63 / .05 - 2.4
HD312-3K	1.0 cc	30:1	1.0 - 2.54	1/4 -M / 1/4-F	3000 - 206	.06 - .63 / .24 - 2.4
HD312-3KM	1.0 cc	30:1	1.0 - 2.54	1/4 -M / 1/4-F	3000 - 206	.01 - .63 / .05 - 2.4
HD312-5K	1.0 cc	50:1	1.0 - 2.54	1/4 -M / 1/4-F	5000 - 344	.06 - .63 / .24 - 2.4
HD312-5KM	1.0 cc	50:1	1.0 - 2.54	1/4 -M / 1/4-F	5000 - 344	.01 - .63 / .05 - 2.4
HD562	3.5 cc	10:1	1.0 - 2.54	1/2 -M / 1/4-F	1000 - 68.9	.25 - 2.5 / 1 - 9.5
HD562M	3.5 cc	10:1	1.0 - 2.54	1/2 -M / 1/4-F	1000 - 68.9	.06 - 2.5 / .24 - 9.5
HD562-3K	3.5 cc	30:1	1.0 - 2.54	1/2 -M / 1/4-F	3000 - 206	.25 - 2.5 / 1 - 9.5
HD562-3KM	3.5 cc	30:1	1.0 - 2.54	1/2 -M / 1/4-F	3000 - 206	.06 - 2.5 / .24 - 9.5
HD562-5K	3.5 cc	50:1	1.0 - 2.54	1/2 -M / 1/4-F	5000 - 344	.25 - 2.5 / 1 - 9.5
HD562-5KM	3.5 cc	50:1	1.0 - 2.54	1/2 -M / 1/4-F	5000 - 344	.06 - 2.5 / .24 - 9.5
HD1062	12.8 cc	10:1	1.0 - 2.54	3/4-M / 1/2-F	1000 - 68.9	1 - 10.4 / 3.9 - 39
HD1062-3K	12.8 cc	30:1	1.0 - 2.54	3/4-M / 1/2-F	3000 - 206	1 - 10.4 / 3.9 - 39
HD2000	135.8 cc	6:1	3.1 - 7.87	NOTE / 3/4-F	900 - 62	8.1 - 81.3 / 30.7 - 307

Notes:

All pumps require TR1 timing relay, TR2 timing relay or electric solenoid valve.

HD1062, HD1062-3K requires SR1S snap action relay.

HD2000 requires SR2S snap action relay.

Maximum stroke rate for all pumps is 50 SPM. Exception HD2000 35SPM.

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