

Industrial Hoses Flexible Inlet & Discharge

Models 990801
thru 990860

6 Ft. Lo-Pressure Hose - Steel

Part Number	Fitting/ Hose Size	Working Pressure (PSI)	Bend Radius	Maximum Temperature	Type/ Material	Weight (Lbs.)
990860	1/2"	200	6.00"	212°F	A - STL	2
990840	3/4"	200	9.00"	212°F	A - STL	3
990841	1"	200	12.00"	212°F	A - STL	5
990842	1-1/4"	200	15.00"	212°F	A - STL	8
990843	1-1/2"	200	18.00"	212°F	A - STL	8
990844	2"	80	10.00"	180°F	E - STL	5

3 Ft. Hi-Pressure Hose - Steel

990834	3/8"	3000	2.00"	250°F	B - STL	2
990836	1/2"	3000	3.50"	250°F	B - STL	2
990856	1/2"	6000	8.00"	250°F	A - STL	3
990835	1/2"	10,000	6.00"	100°F	C - STL	4
990832	3/4"	3000	4.75"	250°F	B - STL	3
990837	3/4"	6000	9.50"	250°F	A - STL	5
990833	1"	3000	6.00"	250°F	B - STL	5
990839	1-1/4"	3000	16.50"	250°F	A - STL	9

6 Ft. Lo-Pressure Hose - 316 S.S.

Part Number	Fitting/ Hose Size	Working Pressure (PSI)	Bend Radius	Maximum Temperature	Type/ Material	Weight (Lbs.)
990845	1/2"	200	6.00"	212°F	E - 316SS	2
990846	3/4"	200	9.00"	212°F	E - 316SS	3
990848	1-1/4"	200	15.00"	212°F	E - 316SS	8
990847	1-1/2"	200	18.00"	212°F	E - 316SS	9
990849	1"	200	12.00"	212°F	E - 316SS	5
990850	2"	80	10.00"	180°F	E - 316SS	5
990851	2-1/2"	80	12.00"	180°F	E - 316SS	6

3 Ft. Hi-Pressure Hose - 304/316 S.S.

990859	3/8"	3000	2.00"	250°F	A - 316SS	2
990852	1/2"	3000	3.50"	250°F	A - 316SS	2
990857	1/2"	6000	8.00"	250°F	A - 316SS	3
990853	3/4"	3000	4.75"	250°F	A - 316SS	3
990858	3/4"	6000	9.50"	250°F	A - 316SS	5
990801	3/4"	1200	7.75"	450°F	D - 304SS, FDA	1
990802	1"	1000	9.00"	450°F	D - 304SS, FDA	1
990854	1"	3000	6.00"	250°F	A - 316SS	5
990855	1-1/4"	3000	16.50"	250°F	A - 316SS	9

SELECTION: These flexible hoses are intended for connecting the supply line to the pump inlet and the discharge line to the system. The flow and pressure of the system must be reviewed before selecting the proper hose.

The inlet hose must be equal to or one size greater than the inlet port of the pump. The Lo-Pressure hoses are rated up to 80 and 200 PSI. The inlet hoses are reinforced and suitable for negative (suction) inlet systems. **Do not exceed pump rating.** If the supply line to the pump exceeds the six feet of these standard hoses, a booster pump and C.A.T. may be required.

The discharge hose can be equal to the discharge port of the pump and may be less depending upon the flow and friction loss (see Hose Friction Loss Chart). The Hi-Pressure hoses are rated up to 1000, 3000, 6000, and 10,000 PSI.

INSTALLATION: After selecting the correct size and pressure rated hose, review the Hose Fitting Style Chart for the type of fittings. Install the Lo-Pressure Hose directly to the inlet port of the pump and the discharge from the discharge port of the regulating device. Use proper thread sealant for material and pressure.

Note: Refer to the Fittings Data Sheet for Nipples, Reducing Bushings and Tees to complete the system plumbing.

MAINTENANCE: During regularly scheduled pump maintenance, check hose for cracks or worn surface and replace as needed. Check all connections for air leaks.

“Customer confidence is our greatest asset”

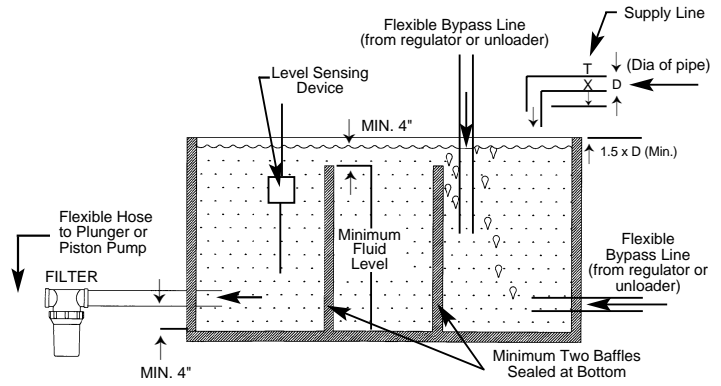
HOSE FRICTION LOSS

Water* Flow Gal/Min	PRESSURE DROP IN PSI PER 100 FT OF HOSE WITH TYPICAL WATER FLOW RATES Hose Inside Diameters, Inches						
	1/4	5/16	3/8	1/2	5/8	3/4	1"
2	180	60	25	6	2		
3	380	120	50	13	4	2	
4		220	90	24	7	3	
5		320	130	34	10	4	
7			265	70	22	10	2
10			450	120	38	14	3
15			900	250	80	30	7
20			1600	400	121	50	12
25				650	200	76	19
30					250	96	24
40					410	162	42
50					600	235	62
60						370	93

*At a fixed flow rate with a given size hose, the pressure drop across a given hose length will be directly proportional. A 50 ft. hose will exhibit one-half the pressure drop of a 100 ft. hose. Above values shown are valid at all pressure levels.

TYPICAL RESERVOIR TANK

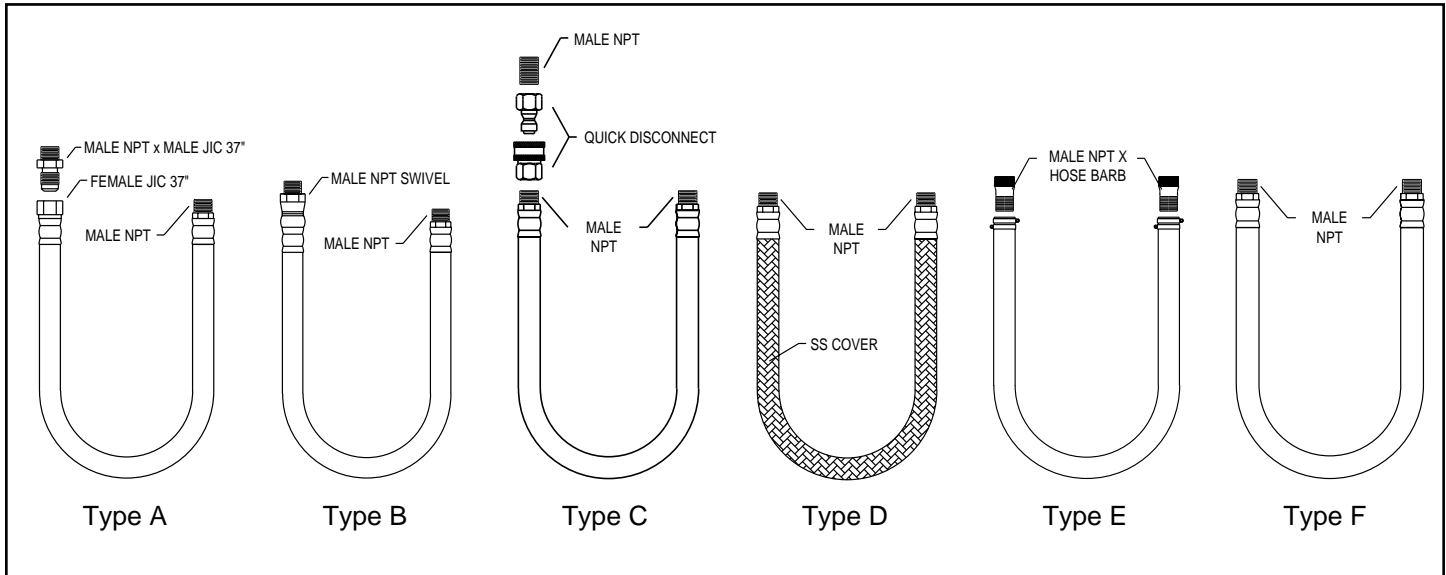
RECOMMENDED 6 TO 10 TIMES SYSTEM CAPACITY



At least two baffles are recommended. The tank feed connection should be on the opposite side from the discharge connection to the pump.

Additional precautions may be necessary with Hi-Temp fluids and chemicals.

HOSE FITTING STYLE



WARNING

Severe injury can occur with high pressure spray.
Do not allow spray to contact any part of body.

WARRANTY

90 Day Warranty
Refer to complete Cat Pump Warranty for further information.

Products described hereon are covered by one or more of the following U.S. patents 3558244, 3652188, 3809508, 3920356, 3930756 and 5035580

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