

METAL-FLEX Pump Connectors



512 SERIES PUMP CONNECTORS

STAINLESS STEEL HOSE & CARBON STEEL MNPT PIPE THREADS

PART NUMBER	SIZE	OVERALL LENGTH	WORKING PSIG @ 70° F	OFFSET MOTION	OLD P/N
512-0025-10	1/4"	10"	2116 PSIG	3/4"	DM 1/4-S
512-0038-10	3/8"	10"	1501 PSIG	3/4"	DM 3/8-S
512-0050-10	1/2"	10"	1075 PSIG	3/4"	DM 1/2-S
512-0075-11	3/4"	11"	792 PSIG	3/4"	DM 3/4-S
512-0100-12	1"	12"	571 PSIG	3/4"	DM 1-S
512-0125-13	1-1/4"	13"	531 PSIG	3/4"	DM 1-1/4-S
512-0150-14	1-1/2"	14"	472 PSIG	3/4"	DM 1-1/2-S
512-0200-15	2"	15"	516 PSIG	3/4"	DM 2-S
512-0250-11.75	2-1/2"	11-3/4"	387 PSIG	1/4"	DM 2-1/2-S
512-0300-12.63	3"	12-5/8"	316 PSIG	1/4"	DM 3-S
512-0400-14.38	4"	14-3/8"	232 PSIG	1/4"	DM 4-S



502 SERIES PUMP CONNECTORS

STAINLESS STEEL HOSE & A-36 STEEL FLAT FACE FLANGES

PART NUMBER	SIZE	OVERALL LENGTH	WORKING PSIG @ 70° F	OFFSET MOTION	OLD P/N
502-0200-8	2"	8"	516 PSIG	3/8"	DM 2-F
502-0250-9	2-1/2"	9"	387 PSIG	3/8"	DM 2-1/2-F
502-0300-9	3"	9"	316 PSIG	1/4"	DM 3-F
502-0400-9	4"	9"	232 PSIG	1/4"	DM 4-F
502-0500-10	5"	10"	191 PSIG	1/4"	DM 5-F
502-0600-11	6"	11"	166 PSIG	1/4"	DM 6-F
502-0800-12	8"	12"	234 PSIG	1/4"	DM 8-F
502-1000-14	10"	14"	230 PSIG	1/4"	DM 10-F
502-1200-15	12"	15"	161 PSIG	1/4"	DM 12-F
502-1400-16	14"	16"	119 PSIG	1/4"	DM 14-F



DM7407(S) VIBRACHECK REFRIGERATION CONNECTORS

STAINLESS STEEL HOSE & COPPER SWEAT COUPLINGS

PART NUMBER	COUPLINGS FIT TUBE O.D.	FLEX HOSE I.D.	OVERALL LENGTH	END FITTING LENGTH	WORKING PSIG @ 70° F
DM7407-003S	3/8"	5/16"	8-1/4"	5/16"	650 PSIG
DM7407-004S	1/2"	3/8"	9"	3/8"	650 PSIG
DM7407-005S	5/8"	1/2"	9-3/4"	1/2"	650 PSIG
DM7407-006S	3/4"	5/8"	10-1/2"	5/8"	650 PSIG
DM7407-008S	7/8"	3/4"	11-1/2"	3/4"	650 PSIG
DM7407-009S	1-1/8"	1"	13"	29/32"	650 PSIG
DM7407-010S	1-3/8"	1-1/4"	14-3/4"	31/32"	650 PSIG
DM7407-011S	1-5/8"	1-1/2"	17"	1-3/32"	650 PSIG
DM7407-082S	2-1/8"	2"	20"	2-1/2"	390 PSIG
DM7407-083S	2-5/8"	2-1/2"	24"	3"	340 PSIG
DM7407-084S	3-1/8"	3"	27"	3-1/2"	300 PSIG

DM7407 VIBRACHECK REFRIGERATION CONNECTORS

BRONZE HOSE & COPPER SWEAT COUPLINGS

PART NUMBER	COUPLINGS FIT TUBE O.D.	FLEX HOSE I.D.	OVERALL LENGTH	END FITTING LENGTH	WORKING PSIG @ 70° F
DM7407-001	1/4"	1/4"	7"	1/2"	660 PSIG
DM7407-002	1/4"	1/4"	7-1/2"	1/2"	660 PSIG
DM7407-003	3/8"	3/8"	8-1/4"	5/8"	620 PSIG
DM7407-004	1/2"	3/8"	9"	3/4"	620 PSIG
DM7407-005	5/8"	1/2"	9-3/4"	7/8"	620 PSIG
DM7407-006	3/4"	1/2"	10"	1"	620 PSIG
DM7407-007	3/4"	3/4"	11-1/4"	1-1/8"	620 PSIG
DM7407-008	7/8"	3/4"	11-1/2"	1-1/4"	620 PSIG
DM7407-009	1-1/8"	1"	13"	1-1/2"	540 PSIG
DM7407-010	1-3/8"	1-1/4"	14-3/4"	1-5/8"	540 PSIG
DM7407-011	15/8"	1-1/2"	17"	2"	500 PSIG
DM7407-082*	2-1/8"	2"	20"	2-1/2"	390 PSIG
DM7407-083*	2-5/8"	2-1/2"	24"	3"	340 PSIG
DM7407-084*	3-1/8"	3"	27"	3-1/2"	300 PSIG

STAINLESS STEEL HOSE*



1. Determine the maximum operating temperature.
2. Locate the proper correction factor.
3. Multiply the hose pressure rating, @ 70° F, by the listed temperature correction factor to determine the hose rated working pressure at the determined elevated temperature.

PUMP CONNECTOR TEMPERATURE

CORRECTION FACTORS

TEMPERATURE DEGREES		MULTIPLY	STAINLESS STEEL	BRONZE
70° F		X	1.00	1.00
150° F		X	0.95	0.92
200° F		X	0.91	0.89
300° F		X	0.85	0.83
350° F		X	0.81	0.81
400° F		X	0.78	0.78
450° F		X	0.77	
500° F		X	0.77	
600° F		X	0.76	
700° F		X	0.74	
800° F		X	0.73	

METAL-FLEX Pump Connectors are designed to absorb vibration under normal working conditions when properly installed. A fundamental rule is an anchor is used at the end of hose opposite from the source of motion. Provide adequate pipe supports when connectors are installed in a vertical position to prevent product damage due to excessive weight.

All METAL-FLEX assemblies are individually pressure tested and inspected before shipment to insure a leak-tight installation.

PLEASE NOTE: THE LISTED DM7407 SERIES "VIBRACHECK FLEX CONNECTORS" ARE C-UL-US- APPROVED. "THIS PRODUCT IS DESIGNED FOR REFRIGERATION AND AIR CONDITIONING USE, ONLY".

UPON REQUEST, DME PUMP CONNECTORS CAN BE FABRICATED FOR VARIOUS MEDIAS AND APPLICATIONS, LONGER LENGTHS (FOR OFFSET INSTALLATIONS), AND HIGHER WORKING PRESSURES. ALL STAINLESS STEEL ASSEMBLIES (ALONG WITH OTHER METALS) ARE AVAILABLE. OUR DEDICATED SALES AND MANUFACTURING DEPARTMENTS ARE READY TO HANDLE YOUR REQUIREMENTS!