



REDUCER METAL HOSE



Accessory adaptor ports can be included on your reducer allowing up to four ports for drains, P/T ports, gauge cocks and thermo wells.

TWIN CITY HOSE Reducer connectors are 100% American manufactured from stainless steel and bronze hose surrounded with a heavy-duty woven wire braid. This combination provides a highly flexible braided pump connector with a longer service life than lighter duty connectors.

TCH Reducers can absorb pump vibration and reduce piping stress due to minor misalignment and pressure variations. The reduction of stress on pumps and compressor housing can greatly reduce your long-term operation and maintenance cost.

TCH Reducers are available in sizes 2" through 12". You can choose from a variety of standard connectors or we'll custom build to your exact specifications. Flanged connector comes standard with carbon steel plate flanges (5/8" minimum thickness) with ASA 150# bolt hole pattern. These assemblies are intended for normal to severe pump vibration. Misalignment should not exceed 1/8" total. Maximum operating temperature is 1000°F

Reduce your cost with TCH Reducers

MODEL NUMBER	LARGE END	SMALL END	OAL	Each TCH Reducer Saves Your Customer
REDC1210	12"	10"	20"	\$225
REDC1008	10"	8"	18"	\$200
REDC1006	10"	6"	18"	\$200
REDC0806	8"	6"	18"	\$175
REDC0805	8"	5"	18"	\$175
REDC0804	8"	4"	18"	\$175
REDC0605	6"	5"	17"	\$125
REDC0604	6"	4"	17"	\$100
REDC0603	6"	3"	17"	\$95
REDC0504	5"	4"	16"	\$75
REDC0503	5"	3"	16"	\$70
REDC0525	5"	2-1/2"	16"	\$65
REDC0403	4"	3"	13"	\$50
REDC0425	4"	2-1/2"	13"	\$45
REDC0402	4"	2"	13"	\$45
REDC0325	3"	2-1/2"	13"	\$45
REDC0302	3"	2"	13"	\$45
REDC2502	2-1/2"	2"	13"	\$40



Savings calculated by deducting the carbon steel reducer, two flanges, gaskets, nuts, bolts, washers and labor for installation. Labor rates estimated at \$60 dollars per hour.

TCH reducer flexible metal hose is the cost effective, time saving way to connect the pump to the pipe.

REDUCER METAL HOSE

RCFF Flange X Flange

MODEL NUMBER	DESCRIPTION	WRK PSI	@ TEMP	LATERAL OFFSET	LARGE END	SMALL END
RCFF1210	12"X10"X20" OAL	155	70° F	3/16"	12"	10"
RCFF1008	10"X8"X18" OAL	165	70° F	3/16"	10"	8"
RCFF1006	10"X6"X18" OAL	165	70° F	3/16"	10"	6"
RCFF0806	8"X6"X18" OAL	217	70° F	1/4"	8"	6"
RCFF0805	8"X5"X18" OAL	217	70° F	1/4"	8"	5"
RCFF0804	8"X4"X18" OAL	217	70° F	1/4"	8"	4"
RCFF0605	6"X5"X17" OAL	240	70° F	3/8"	6"	5"
RCFF0604	6"X4"X17" OAL	240	70° F	3/8"	6"	4"
RCFF0603	6"X3"X17" OAL	240	70° F	3/8"	6"	3"
RCFF0504	5"X4"X16" OAL	210	70° F	3/8"	5"	4"
RCFF0503	5"X3"X16" OAL	210	70° F	3/8"	5"	3"
RCFF0525	5"X2-1/2"X16" OAL	210	70° F	3/8"	5"	2-1/2"
RCFF0403	4"X3"X13" OAL	285	70° F	3/8"	4"	3"
RCFF0425	4"X2-1/2"X13" OAL	285	70° F	3/8"	4"	2-1/2"
RCFF0402	4"X2"X13" OAL	285	70° F	3/8"	4"	2"
RCFF0325	3"X2-1/2"X13" OAL	450	70° F	3/8"	3"	2-1/2"
RCFF0302	3"X2"X13" OAL	450	70° F	3/8"	3"	2"
RCFF0315	3"X1-1/2"X13" OAL	450	70° F	3/8"	3"	1-1/2"
RCFF2502	2-1/2"X2"X13" OAL	570	70° F	3/8"	2-1/2"	2"
RCFF2515	2-1/2"X1-1/2"X13" OAL	570	70° F	3/8"	2-1/2"	1-1/2"

RCGG Grooved X Grooved

MODEL NUMBER	DESCRIPTION	WRK PSI	@ TEMP	LATERAL OFFSET	LARGE END	SMALL END
RCGG1210	12"X10"X26.5" OAL	155	70° F	3/16"	12"	10"
RCGG1008	10"X8"X24.75" OAL	165	70° F	3/16"	10"	8"
RCGG1006	10"X6"X23.75" OAL	165	70° F	3/16"	10"	6"
RCGG0806	8"X6"X23.75" OAL	217	70° F	1/4"	8"	6"
RCGG0805	8"X5"X23.75" OAL	217	70° F	1/4"	8"	5"
RCGG0804	8"X4"X23.75" OAL	217	70° F	1/4"	8"	4"
RCGG0605	6"X5"X22" OAL	240	70° F	3/8"	6"	5"
RCGG0604	6"X4"X22" OAL	240	70° F	3/8"	6"	4"
RCGG0603	6"X3"X22" OAL	240	70° F	3/8"	6"	3"
RCGG0504	5"X4"X21" OAL	210	70° F	3/8"	5"	4"
RCGG0503	5"X3"X21" OAL	210	70° F	3/8"	5"	3"
RCGG0525	5"X2-1/2"X21" OAL	210	70° F	3/8"	5"	2-1/2"
RCGG0403	4"X3"X18" OAL	285	70° F	3/8"	4"	3"
RCGG0425	4"X2-1/2"X18" OAL	285	70° F	3/8"	4"	2-1/2"
RCGG0402	4"X2"X18" OAL	285	70° F	3/8"	4"	2"
RCGG0325	3"X2-1/2"X18" OAL	450	70° F	3/8"	3"	2-1/2"
RCGG0302	3"X2"X18" OAL	450	70° F	3/8"	3"	2"
RCGG2502	2-1/2"X2"X18" OAL	570	70° F	3/8"	2-1/2"	2"
RCGG2515	2-1/2"X1-1/2"X18" OAL	570	70° F	3/8"	2-1/2"	1-1/2"

RCGM Grooved X Male NPT

MODEL NUMBER	DESCRIPTION	WRK PSI	@ TEMP	LATERAL OFFSET	GROOVE END	MALE END
RCGM1210	12"X10"X26.5" OAL	155	70° F	3/16"	12"	10"
RCGM1008	10"X8"X24.75" OAL	165	70° F	3/16"	10"	8"
RCGM1006	10"X6"X23.75" OAL	165	70° F	3/16"	10"	6"
RCGM0806	8"X6"X23.75" OAL	217	70° F	1/4"	8"	6"
RCGM0805	8"X5"X23.75" OAL	217	70° F	1/4"	8"	5"
RCGM0804	8"X4"X23.75" OAL	217	70° F	1/4"	8"	4"
RCGM0605	6"X5"X22" OAL	240	70° F	3/8"	6"	5"
RCGM0604	6"X4"X22" OAL	240	70° F	3/8"	6"	4"
RCGM0603	6"X3"X22" OAL	240	70° F	3/8"	6"	3"
RCGM0504	5"X4"X21" OAL	210	70° F	3/8"	5"	4"
RCGM0503	5"X3"X21" OAL	210	70° F	3/8"	5"	3"
RCGM0525	5"X2-1/2"X21" OAL	210	70° F	3/8"	5"	2-1/2"
RCGM0403	4"X3"X18" OAL	285	70° F	3/8"	4"	3"
RCGM0425	4"X2-1/2"X18" OAL	285	70° F	3/8"	4"	2-1/2"
RCGM0402	4"X2"X18" OAL	285	70° F	3/8"	4"	2"
RCGM0325	3"X2-1/2"X18" OAL	450	70° F	3/8"	3"	2-1/2"
RCGM0302	3"X2"X18" OAL	450	70° F	3/8"	3"	2"
RCGM2502	2-1/2"X2"X18" OAL	570	70° F	3/8"	2-1/2"	2"
RCGM2515	2-1/2"X1-1/2"X18" OAL	570	70° F	3/8"	2-1/2"	1-1/2"

RCFM Flange X Male NPT

MODEL NUMBER	DESCRIPTION	WRK PSI	@ TEMP	LATERAL OFFSET	FLANGE END	MALE NPT END
RCFM0806	8"X6"X20.75" OAL	217	70° F	1/4"	8"	6"
RCFM0805	8"X5"X20.75" OAL	217	70° F	1/4"	8"	5"
RCFM0804	8"X4"X20.75" OAL	217	70° F	1/4"	8"	4"
RCFM0605	6"X5"X19.75" OAL	240	70° F	3/8"	6"	5"
RCFM0604	6"X4"X19.75" OAL	240	70° F	3/8"	6"	4"
RCFM0603	6"X3"X19.75" OAL	240	70° F	3/8"	6"	3"
RCFM0504	5"X4"X18.75" OAL	210	70° F	3/8"	5"	4"
RCFM0503	5"X3"X18.75" OAL	210	70° F	3/8"	5"	3"
RCFM0525	5"X2-1/2"X18.75" OAL	210	70° F	3/8"	5"	2-1/2"
RCFM0403	4"X3"X15.8" OAL	285	70° F	3/8"	4"	3"
RCFM0425	4"X2-1/2"X15.8" OAL	285	70° F	3/8"	4"	2-1/2"
RCFM0402	4"X2"X15.8" OAL	285	70° F	3/8"	4"	2"
RCFM0325	3"X2-1/2"X15.75" OAL	450	70° F	3/8"	3"	2-1/2"
RCFM0302	3"X2"X15.75" OAL	450	70° F	3/8"	3"	2"
RCFM0315	3"X1-1/2"X15.75" OAL	450	70° F	3/8"	3"	1-1/2"
RCFM2502	2-1/2"X2"X15.75" OAL	570	70° F	3/8"	2-1/2"	2"
RCFM2515	2-1/2"X1-1/2"X15.75" OAL	570	70° F	3/8"	2-1/2"	1-1/2"
RCFM2512	2-1/2"X1-1/4"X15.75" OAL	570	70° F	3/8"	2-1/2"	1-1/4"
RCFM0215	2"X1-1/2"X15.75" OAL	450	70° F	3/8"	2"	1-1/2"
RCFM0212	2"X1-1/4"X15.75" OAL	450	70° F	3/8"	2"	1-1/4"

RCGF Grooved X Flange

MODEL NUMBER	DESCRIPTION	WRK PSI	@ TEMP	LATERAL	GROOVE END	FLANGE END
RCGF1210	12"X10"X23" OAL	155	70° F	3/16"	12"	10"
RCGF1008	10"X8"X21" OAL	165	70° F	3/16"	10"	8"
RCGF1006	10"X6"X21" OAL	165	70° F	3/16"	10"	6"
RCGF0806	8"X6"X21" OAL	217	70° F	1/4"	8"	6"
RCGF0805	8"X5"X21" OAL	217	70° F	1/4"	8"	5"
RCGF0804	8"X4"X21" OAL	217	70° F	1/4"	8"	4"
RCGF0605	6"X5"X19.25" OAL	240	70° F	3/8"	6"	5"
RCGF0604	6"X4"X19.25" OAL	240	70° F	3/8"	6"	4"
RCGF0603	6"X3"X19.25" OAL	240	70° F	3/8"	6"	3"
RCGF0504	5"X4"X18.25" OAL	210	70° F	3/8"	5"	4"
RCGF0503	5"X3"X18.25" OAL	210	70° F	3/8"	5"	3"
RCGF0525	5"X2-1/2"X18.25" OAL	210	70° F	3/8"	5"	2-1/2"
RCGF0403	4"X3"X15.5" OAL	285	70° F	3/8"	4"	3"
RCGF0425	4"X2-1/2"X15.5" OAL	285	70° F	3/8"	4"	2-1/2"
RCGF0402	4"X2"X15.5" OAL	285	70° F	3/8"	4"	2"
RCGF0325	3"X2-1/2"X15.5" OAL	450	70° F	3/8"	3"	2-1/2"
RCGF0302	3"X2"X15.5" OAL	450	70° F	3/8"	3"	2"
RCGF2502	2-1/2"X2"X15.5" OAL	570	70° F	3/8"	2-1/2"	2"
RCGF2515	2-1/2"X1-1/2"X15.5" OAL	570	70° F	3/8"	2-1/2"	1-1/2"
RCGF0215	2"X1-1/2"X15.5" OAL	570	70° F	3/8"	2"	1-1/2"
RCGF0212	2"X1-1/4"X15.5" OAL	570	70° F	3/8"	2"	1-1/4"

RCFG Flange X Grooved

MODEL NUMBER	DESCRIPTION	WRK PSI	@ TEMP	LATERAL	GROOVE END	FLANGE END
RCFG1210	12"X10"X23.75" OAL	155	70° F	3/16"	12"	10"
RCFG1008	10"X8"X21.75" OAL	165	70° F	3/16"	10"	8"
RCFG1006	10"X6"X20.75" OAL	165	70° F	3/16"	10"	6"
RCFG0806	8"X6"X20.75" OAL	217	70° F	1/4"	8"	6"
RCFG0805	8"X5"X20.75" OAL	217	70° F	1/4"	8"	5"
RCFG0804	8"X4"X20.75" OAL	217	70° F	1/4"	8"	4"
RCFG0605	6"X5"X19.75" OAL	240	70° F	3/8"	6"	5"
RCFG0604	6"X4"X19.75" OAL	240	70° F	3/8"	6"	4"
RCFG0603	6"X3"X19.75" OAL	240	70° F	3/8"	6"	3"
RCFG0504	5"X4"X18.75" OAL	210	70° F	3/8"	5"	4"
RCFG0503	5"X3"X18.75" OAL	210	70° F	3/8"	5"	3"
RCFG0525	5"X2-1/2"X18.75" OAL	210	70° F	3/8"	5"	2-1/2"
RCFG0403	4"X3"X15.8" OAL	285	70° F	3/8"	4"	3"
RCFG0425	4"X2-1/2"X15.8" OAL	285	70° F	3/8"	4"	2-1/2"
RCFG0402	4"X2"X15.8" OAL	285	70° F	3/8"	4"	2"
RCFG0325	3"X2-1/2"X15.75" OAL	450	70° F	3/8"	3"	2-1/2"
RCFG0302	3"X2"X15.75" OAL	450	70° F	3/8"	3"	2"
RCFG2502	2-1/2"X2"X15.75" OAL	570	70° F	3/8"	2-1/2"	2"
RCFG2515	2-1/2"X1-1/2"X15.75" OAL	570	70° F	3/8"	2-1/2"	1-1/2"
RCFG0215	2"X1-1/2"X15.75" OAL	570	70° F	3/8"	2"	1-1/2"
RCFG2512	2"X1-1/4"X15.75" OAL	570	70° F	3/8"	2"	1-1/4"

TEMPERATURE DERATING FACTORS: MULTIPLY X WRK PSI

200° F	250° F	300° F	350° F	400° F	500° F	600° F	700° F
0.94	0.92	0.88	0.86	0.83	0.78	0.74	0.7

Materials

Hose & Braid: T-321 stainless steel hose & 1 layer stainless steel braid

Braid Collar: Stainless steel heli-arc weld, T-304 stainless steel braid collar

Reducer: SCH 40 carbon steel concentric weld reducer

Fittings: Groove - SCH 40 carbon steel

Flange - 150# carbon steel plate flat face

Male NPT - SCH 40 carbon steel

RCMF Male NPT X Flange

MODEL NUMBER	DESCRIPTION	WRK PSI	@ TEMP	LATERAL OFFSET	MALE NPT END	FLANGE END
RCMF0806	8"X6"X20.75" OAL	217	70° F	1/4"	8"	6"
RCMF0805	8"X5"X20.75" OAL	217	70° F	1/4"	8"	5"
RCMF0804	8"X4"X20.75" OAL	217	70° F	1/4"	8"	4"
RCMF0605	6"X5"X19.75" OAL	240	70° F	3/8"	6"	5"
RCMF0604	6"X4"X19.75" OAL	240	70° F	3/8"	6"	4"
RCMF0603	6"X3"X19.75" OAL	240	70° F	3/8"	6"	3"
RCMF0504	5"X4"X18.75" OAL	210	70° F	3/8"	5"	4"
RCMF0503	5"X3"X18.75" OAL	210	70° F	3/8"	5"	3"
RCMF0525	5"X2-1/2"X18.75" OAL	210	70° F	3/8"	5"	2-1/2"
RCMF0403	4"X3"X15.8" OAL	285	70° F	3/8"	4"	3"
RCMF0425	4"X2-1/2"X15.8" OAL	285	70° F	3/8"	4"	2-1/2"
RCMF0402	4"X2"X15.8" OAL	285	70° F	3/8"	4"	2"
RCMF0325	3"X2-1/2"X15.75" OAL	450	70° F	3/8"	3"	2-1/2"
RCMF0302	3"X2"X15.75" OAL	450	70° F	3/8"	3"	2"
RCMF0315	3"X1-1/2"X15.75" OAL	450	70° F	3/8"	3"	1-1/2"
RCMF2502	2-1/2"X2"X15.75" OAL	570	70° F	3/8"	2-1/2"	2"
RCMF2515	2-1/2"X1-1/2"X15.75" OAL	570	70° F	3/8"	2-1/2"	1-1/2"
RCMF2512	2-1/2"X1-1/4"X15.75" OAL	570	70° F	3/8"	2-1/2"	1-1/4"
RCMF0215	2"X1-1/2"X15.75" OAL	450	70° F	3/8"	2"	1-1/2"
RCMF0212	2"X1-1/4"X15.75" OAL	450	70° F	3/8"	2"	1-1/4"