

Flexible Metal Hose Assemblies

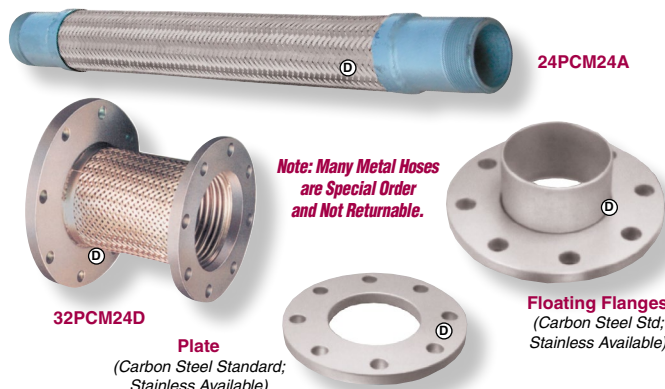
Flexible Metal Hose Assemblies can be used with most liquids where rigid piping is a problem or when vibration dampening is desired. (Use double braid hoses for LP and NH3 lines larger than 1-1/4"). UL fire rated hoses are for use with gasoline or diesel. See Our NH3 Section for double braid or UL fire rated hose.

All assemblies are 304SS corrugated metal hose with optional ends shown below. Special sizes not shown are readily available. Plate flanges are welded to the metal hose section and are fixed. Floating flanges have a collar welded to the metal hose section and the flange section can be rotated for easier bolt alignment. **PCM** hose is single braid and **PCD** is double braid (see our NH3 section).

Prefix Size	
4	= 1/2"
6	= 3/4"
8	= 1"
10	= 1-1/4"
12	= 1-1/2"
16	= 2"
24	= 3"
32	= 4"
48	= 6"
54	= 8"

Suffix - End Connections	
(A)	Carbon Steel Nipples, MPT
(ASS)	304SS Nipples, MPT
(B)	Carbon Steel Plate Flanges
(C)	304SS Plate Flanges
(D)	Carbon Steel Float x Plate Flanges
(DSS)	304SS Float x Plate Flanges
(F)	Carbon Steel Float x Float Flanges
(FSS)	304SS Float x Float Flanges

EXAMPLE: 24PCM24A			
Diameter	Length	End Conn.	
(24=3")	PCM (1-Braid)	(24")	(A) (MPT)



32PCM24D

Plate
(Carbon Steel Standard;
Stainless Available)

Floating Flanges
(Carbon Steel Std;
Stainless Available)

Single Braid for Non-Flammable Liquids
(Note: For NH3 and LP Gas, Double Braid Hoses are required)

Single Braid with Carbon Steel Float x Plate Flanges

Part No.	Description	Max. PSI @ 70° F.	Wt.
GP 24PCM12D	3" x 12" Floating x 150# CS Flange.....	315	14 lbs.
GP 24PCM24D	3" x 24" Floating x 150# CS Flange.....	315	18 lbs.
GP 32PCM24D	4" x 24" Floating x 150# CS Flange.....	230	21 lbs.
GP 32PCM12D	4" x 12" Floating x 150# CS Flange.....	230	16 lbs.
GP 48PCM24D	6" x 24" Floating x 150# CS Flange.....	165	35 lbs.
GP 54PCM24D	8" x 24" Floating x 150# CS Flange.....	230	50 lbs.

Single Braid for Non-Flammable Liquids

Single Braid with Schedule 80 MPT Ends

Part No.	Description	Max. PSI @ 70° F.	Wt.
GP 8PCM24A	1"x24" with Sch. 80 Seamless MPT * ...	570	2 lbs.
GP 10PCM12A	1-1/4"x12" with Sch. 80 Seamless MPT *	530	2 lbs.
GP 10PCM16A	1-1/4"x16" with Sch. 80 Seamless MPT *	530	2 lbs.
GP 10PCM24A	1-1/4"x24" with Sch. 80 Seamless MPT *	530	3 lbs.
GP 12PCM12A	1-1/2"x12" with Sch. 80 Seamless MPT	470	3 lbs.
GP 12PCM24A	1-1/2"x24" with Sch. 80 Seamless MPT	470	4 lbs.
GP 16PCM12A	2"x12" with Sch. 80 Seamless MPT.....	515	3 lbs.
GP 16PCM18A	2"x18" with Sch. 80 Seamless MPT.....	515	4 lbs.
GP 16PCM24A	2"x24" with Sch. 80 Seamless MPT.....	515	5 lbs.
GP 24PCM12A	3"x12" with Sch. 80 Seamless MPT.....	315	7 lbs.
GP 24PCM18A	3"x18" with Sch. 80 Seamless MPT.....	315	8 lbs.
GP 24PCM24A	3"x24" with Sch. 80 Seamless MPT.....	315	9 lbs.
GP 32PCM24A	4"x24" with Sch. 80 Seamless MPT.....	230	17 lbs.

* 1" and 1-1/4" Sizes are Suitable for NH3 & LPG.

For NH3 and LP Gas, Double Braid Hoses are Required

Double Braid with Schedule 80 MPT Ends

Part No.	Description	Max. PSI @ 70° F.	Wt.
GP 8PCD12A	1" x 12" with Sch. 80 Seamless MPT.....	900	4 lbs.
GP 10PCD24A	1-1/4" x 24" with Sch. 80 Seamless MPT...	850	6 lbs.
GP 12PCD24A	1-1/2" x 24" with Sch. 80 Seamless MPT.....	750	8 lbs.
GP 16PCD24A	2" x 24" with Sch. 80 Seamless MPT.....	825	10 lbs.
GP 24PCD24A	3" x 24" with Sch. 80 Seamless MPT.....	500	17 lbs.
GP 32PCD24A	4" x 24" with Sch. 80 Seamless MPT.....	370	30 lbs.

UL Fire Rated Metal Hose for Gasoline & Diesel with Sch 80 MPT Ends

Part No.	Description	Max. PSI @ 70° F.	Wt.
GP FG150-MM24	1-1/2" x 24" Metal Hose, MPT.....	150	5 lbs.
GP FG200-MM24	2" x 24" Metal Hose, MPT.....	150	5 lbs.

EPDM Expansion Joints

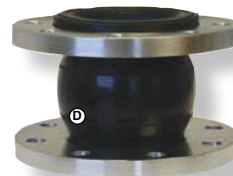
With Carbon Steel Flanges



Standard flanges are 150# ANSI Carbon Steel (Stainless Steel is available). Both flanges swivel (float) for easy installation. Custom built to order options available as well. All expansion joints are built to order and non-returnable.

MS1 Series

- Vacuum Rating: 86% Full Vacuum (26" HG) at 170° F.
- EPDM Standard (Other materials available)
- Temperature Range: 20° F. to 250° F.

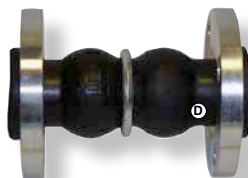


Part No.	I.D.	Overall Length	Working PSI @ 170° F.
GP MS1-2E	2"	6"	180 PSI
GP MS1-3E	3"	6"	180 PSI
GP MS1-4E	4"	6"	180 PSI
GP MS1-6E	6"	6"	135 PSI

* Use Control Rods if PSI is at or Exceeds Ratings Above - Call for Pricing.

MS2 Series

- Offers Greater Lateral Movement than MS1 Series
- Vacuum Rating: 86% Full Vacuum (26" HG) at 170° F.
- EPDM Rated to 20° F. to 230° F. (Other materials available)
- Working Pressure is 225 PSI



Part No.	I.D.	Overall Length	Working PSI @ 170° F.
GP MS2-2E	2"	7"	225 PSI
GP MS2-3E	3"	7"	225 PSI
GP MS2-4E	4"	9"	225 PSI
GP MS2-6E	6"	9"	225 PSI

* Use Control Rods if PSI is at or Exceeds Ratings Above - Call for Pricing.

Call Toll Free For Prices

MRCE Series

- Concentric Reducing Expansion Joints Allow Connection of Unequal Pipe Sizes That Share Same Center Line
- Vacuum Rating: 86% Full Vacuum (26" HG) at 170° F.
- EPDM Rated to 20° F. to 250° F.
- Minimum Burst Pressure is 4:1



Part No.	I.D.	Overall Length	Working PSI @ 170° F.
GP MRCE0302-R	3" x 2"	8"	200 PSI
GP MRCE0403-R	4" x 3"	8"	200 PSI
GP MRCE0604-R	6" x 4"	8"	190 PSI

* Use Control Rods if PSI is at or Exceeds Ratings Above - Call for Pricing.

Call Toll Free For Prices

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