



# Midwest Hose & Specialty, Inc.

## Rental Catalog - Pump/Power/HVAC

Revision 1 - 2019



Keeping the Industry Connected

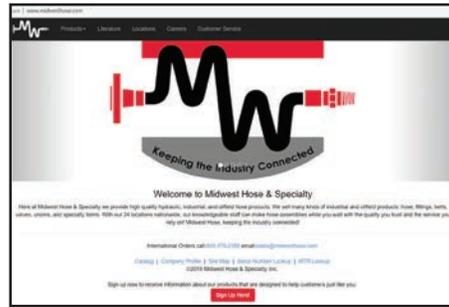




Any hose with a **-TVM** on the end of the part number is tested, recorded in our **vault**, and serial number marked on the crimp sleeve. These are viewable on our website. All test certificates show a graph illustrating how long it was tested and to what pressure. This is a requirement per the American Petroleum Institute specs for high pressure hose, so it's easy for us to apply the same standards to industrial hose assemblies.

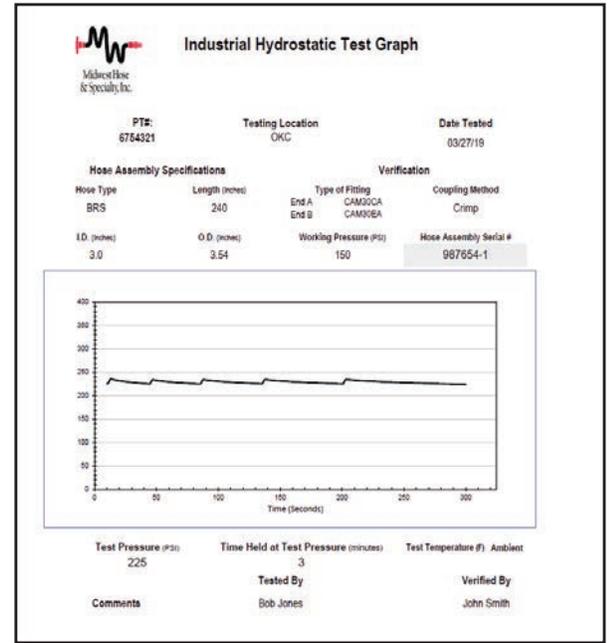
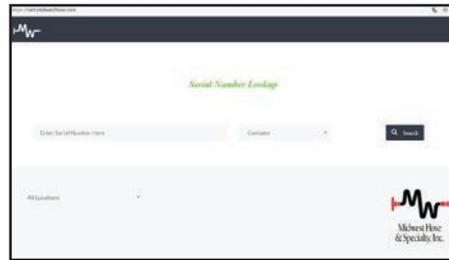
### Step 1

Proceed to our website [midwesthose.com](http://midwesthose.com).



### Step 2

Click on the link at the bottom of the home page [Serial Number Lookup](#).



### Step 3

Once you arrive on the Serial Number Lookup page, enter the serial number for the hose. For multiple hoses with the same prefix, only enter the prefix and click Search. You will then see the complete list of all hoses with that serial number prefix. From here you can view, print, and save the PDF.



Part Number MWHOS&D-XX-FFX

SPEC SHEET

ORDER

## OS&D Hose Built-In Fixed x Floating Flange

Designed to handle diesel, ethanol, gasoline, oil, and petroleum based products that have up to 50% aromatics. Used for heavy duty suction and discharge.

Meets USCG and RMA Class II Requirements.

ANSI 150# carbon steel flanges coated in rubber for saltwater protection.

**Tube** Nitrile (NBR) **Cover** Neoprene (CR)

**Reinforcement** Multiple textile plies, heavy gauge wire helix

**Safety Factor** Minimum 4 to 1 per USCG requirements



### Popular Assemblies Fixed x Float

- 4" MWHOS&D-64-FFX-20FT-TVM
- 6" MWHOS&D-96-FFX-10FT-TVM, 20FT
- 8" MWHOS&D-128-FFX-10FT-TVM, 20FT
- 10" MWHOS&D-160-FFX-10FT-TVM, 20FT
- 12" MWHOS&D-192-FFX-10FT-TVM, 20FT



ID	OD	Max WP	Suction	Bend Radius	Weight	
					10'	20'
4	5.50	250	30 Full Vacuum	19	100	150
6	6.89			36	180	238
8	9.06			48	210	375
10	11.22			60	350	560
12	13.56			72	460	740
14	15.80			100	590	845
16	17.90			112	760	1130

TEST DOCUMENTATION



150 lb Ductile Iron Concentric Reducer

FL150---FL150---D



300 lb Weld Flange

FL300CRSON-



# Composite Hose - MULTIBU Series

Used for water, oil, and light chemicals in marine dockside operations such as loading and unloading barges/ocean tankers and bunkering services.  
Lighter weight and more flexible than rubber dock hose.  
Can handle gasoline, diesel, paraffin, kerosene, lubricating oils, black oils, heavy lubricants and solvents.

**Branding** 4" COMPOSITE OIL/WATERS&D 250 PSI WP  
MEETS USCG 33CFR 154,500

**Flange Ends** ANSI B 16.5 150 LBS carbon steel  
**Grooved Ends** standard cut groove carbon steel



## Why Composite Hose?

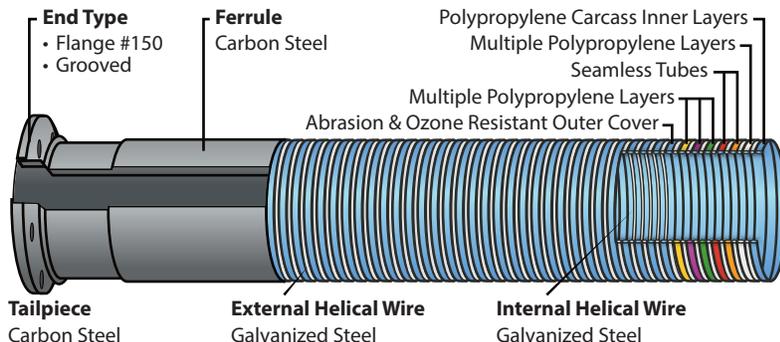
- Lighter weight and more flexible than rubber dock hose
- Flexibility retained at low, even cryogenic temperatures (below -238° F)
- Excellent resistance to kinking or crushing
- Suction and discharge use
- Up to 100% aromatics, no permeation of gases
- Minimum 2.5 to 1 safety factor
- All assemblies tested to 1.5 x working pressure
- Not for dry material service
- Premade assemblies in 10 and 20 foot lengths for quick turnaround

### Popular Assemblies Fixed x Float

- 4" CHMULTIBU/GGP-64-C64FL150-C64FF150-20FT
- 6" CHMULTIBU/GGP-96-C96FL150-C96FF150-20FT
- 8" CHMULTIBU/GGP-128-C128FL150-C128FF150-20FT
- 10" CHMULTIBU/GGP-160-C160FL150-C160FF150-20FT
- 12" CHMULTIBU/GGP-192-C192FL150-C192FF150-20FT

### Popular Assemblies Grooved

- 4" CHMULTIBU/GGP-64-C64GRV-C64GRV-20FT
- 6" CHMULTIBU/GGP-96-C96GRV-C96GRV-20FT
- 8" CHMULTIBU/GGP-128-C128GRV-C128GRV-20FT
- 10" CHMULTIBU/GGP-160-C160GRV-C160GRV-20FT
- 12" CHMULTIBU/GGP-192-C192GRV-C192GRV-20FT



ID inch	Max WP psi	Suction in./HG	Bend Radius inch	Max Length feet	Assembly Length feet	Weight Fix x Floating Flange pounds	Weight Grooved Ends pounds
4	250	30 Full Vacuum	16	65	10	71	53
					20	99	86
6	250	30 Full Vacuum	23	65	10	161	137
					20	234	209
8	250	30 Full Vacuum	32	65	10	265	227
					20	381	344
10	250	30 Full Vacuum	40	40	10	364	320
					20	507	463
12	250	30 Full Vacuum	47	40	10	551	396
					20	760	696

TEST DOCUMENTATION

## Recommended Handling Practices

1 Traction		
2 Torsion		
3 Bending Radius		
4 Installation		
5 Storage		
6 Use		
7 Maintenance		

Never weld reduction couplings or flanges onto original hose fittings.

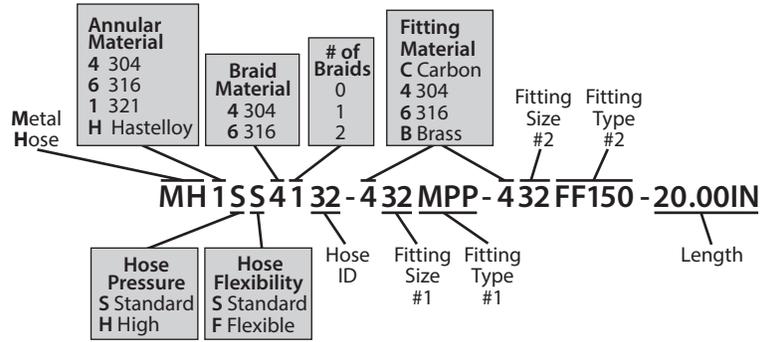


Lifting Sling



## Stainless Steel Metal Hose

- Available in sizes 1/4" - 12"
- Operates in high/low temperatures
- Fire safety up to 1200° F
- No permeation of gases
- Full vacuum
- Annular is hydroformed, a process that enhances flexibility and extends life of hose
- Suitable for oils, chemicals, gases, exhaust gases, water, steam, vacuum, etc.
- All hoses leak tested under water



## Pressure-Temperature Ratings (psi)

Service Temp	100	200	300	400	500	600	700	800	900	1000
FL Class 150 SS316	275	240	215	195	170	140	110	80	50	20
FL Class 300 SS316	720	620	560	515	480	450	430	415	395	365
700 Series Multiplier	1	.89	.83	.78	.77	.76	.76	.75	.74	.73

**For Example** 4" assembly at 300°F  
 Class 150 = 215 psi  
 Class 300 = 560 psi  
 700 series = 307 psi (371 x .83)

700 Series	Size	3/4	1	2	3	6	8	10	12
Double Braid	max PSI	1267	914	826	506	264	374	367	257

*In this example the Class 150 flange is maxed out. With a Class 300 flange the HOSE is maxed out.*

ID inch	Metal Hose Assembly Item # inch	Connection	<100°F Max WP psi	Hose Series	Braid Layers	Centerline Bend		Assembly Weight lbs
						Radius (inch)	Dynamic (inch)	
2	MH6SS4232-632FL150-632FF150-20FT	Fixed x Floating Flanges	275	700	2	15	5	57.8
3	MH6SS4248-648FL150-648FF150-20FT					22	9	78.5
4	MH6SS4264-664FL150-664FF150-20FT					27	13	104.6
6	MH6SS4296-696FL150-696FF150-20FT					36	19	163.8
8	MH6SS42128-6128FL150-6128FF150-20FT					40	20	337.2
10	MH6SS42160-6160FL150-6160FF150-20FT					50	25	476.0
12	MH6SS42192-6192FL150-6192FF150-20FT					60	30	560.9
3/4	MH6SS4212-612MPH-612MPH-50FT	Male Pipe	1267			8	2.25	44.5

## Pump Connectors

### ANSI Flange Concentric Reducers

- FL150192-FL150160-C, D, 4, 6
- FL150160-FL150128-C, D, 4, 6
- FL150128-FL15096-C, D, 4, 6
- FL15096-FL15064-C, D, 4, 6
- FL15064-FL15048-C, D, 4, 6
- FL15048-FL15032-C, D, 4, 6



150 lb  
Concentric Reducer



150 lb  
Slip-On Flange



Part Number PUMPCONN/FF-XX



Part Number PUMPCONN/MPMP-XX

### Plate Flange Concentric Reducers

- FLP150192-FLP150160-C, 4, 6
- FLP150160-FLP150128-C, 4, 6
- FLP150128-FLP15096-C, 4, 6
- FLP15096-FLP15064-C, 4, 6
- FLP15064-FLP15048-C, 4, 6
- FLP15048-FLP15032-C, 4, 6

C Carbon Steel

D Ductile

4 Stainless Steel 304

6 Stainless Steel 316

ID inch	Overall Length inch	Live Length inch	Fitting Length inch	Max W.P. at 70° psi	Weight lbs
2	9.00	5.75	0.625	400	11
2-1/2				285	14
3				240	15
4	11.00	7.50	0.75	260	22
5				220	29
6				200	36
8	12.00	8.00	1.00	190	60
10	13.00	9.00		165	85
12	14.00	10.00		125	120

Larger sizes available upon request.

## AWWA vs ANSI

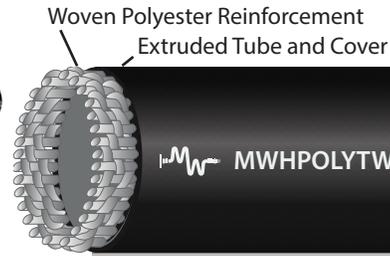
The AWWA standard is intended for potable water use, whereas ANSI/ASME standard is aimed at more industrial applications. AWWA flange rating is applicable only at atmospheric temperatures whereas ANSI rating covers from -20°F to 1500°F.

The two standards also differ in the scope of application. ANSI standard includes information for welded auxiliary connections and tapping while AWWA does not cover those installations. The AWWA standard only covers hub-type, ring, blind and threaded flange whereas ANSI standard has more types such as weld neck, lap joint, socket weld flange etc.



## TPU Layflat Hose

Designed for produced water/fresh water transfer. Typically used for hydraulic fracture water transfer, to replace damaged hydrant lines, or to replace a broken water main. Manufactured with NSF standard 61 approved materials for use with potable water. Custom hose color and branding available on large volume orders. **Great for bypass jobs.**



MWHPOLYTW200-160 200 PSI W.P.

SPEC SHEET [Barcode] ORDER [Barcode]

**Construction** Polyurethane extruded through the weave and a circular polyester woven reinforcement. No use of glues or adhesives.

**Safety Factor** Minimum 2.25 to 1

### Lining Properties

**Ultimate Tensile Strength** no less than 1200 psi

**Ultimate Elongation** when the tube/cover material is tested to UL-19 guidelines the material can elongate 400% before tearing (tensile strength test)

### Resistance

**Abrasion** 25mm<sup>3</sup> on DIN 53516/ISO4649 testing, up to 5 times more resistant and 50% more puncture resistant than Nitrile/PVC

**Cold** Remains flexible in as low as -40° F conditions

**Ozone** No cracking in lining or cover when tested to ASTM D518 Procedure B (100 ppm/118°F/70 hours)

**Chemical** Resistant to most chemicals and petroleum products

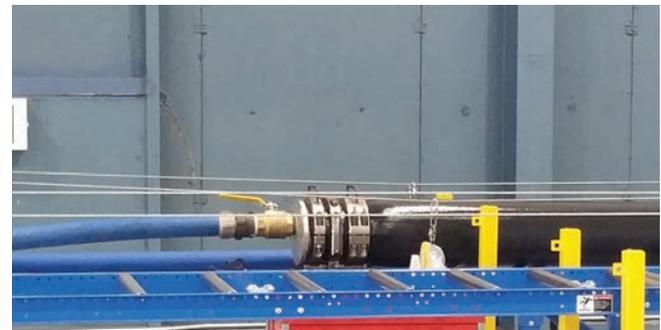
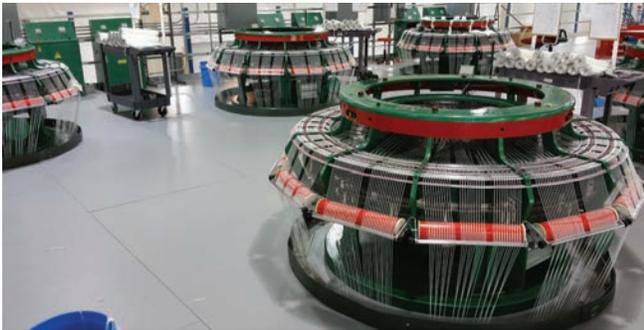
Part Number MWHPOLYTW200-XXX

8 rolls of 660 feet = 1 mile; 2 miles fit on a truck (10" or 12" hose)

W

ID	Wall Thickness	Max WP	Elongation	Weight	Reel Length
inch	inch	psi	at WP	lbs./ft.	feet
4	0.157	250	1.0%	1.01	660
6	0.161		1.0%	1.61	
8	0.165	200	0.7%	2.15	
10	0.165		0.5%	2.87	
12	0.196	150	0.5%	3.73	
16	0.220	100	1.0%	5.20	

TEST DOCUMENTATION [Barcode]



- Cast Aluminum A356-T6
- Machined with Z-Peaked texture to thoroughly engage hose between stem and clamp

- Grooved or Storz Stem
- DOM Aluminum A356-T6
- E-Coated for abrasion/corrosion
- CS 12.9 grade bolts for longevity
- Lightweight, rounded

- Assembled onto pipe without disassembling the bolts, nuts, and housing
- Speedier installation than normal grooved clamps
- Push onto grooved fitting end, join by a second grooved fitting end, then tighten bolts and nuts

- Ductile Iron
- UL/FM - 2" to 8" only
- Matches class 125/150 flange dimensions



**LAYGST**  
Grooved Stem  
Field Attachable



**LAYGHC**  
Clamp  
Field Attachable



**GRVQRC**  
Grooved Clamp  
Quick Release



**GRVFA**  
Flange x Groove Adapter  
Class 125/150



## Warflex Through the Weave

A more economical alternative to our polyurethane layflat hose. Warflex is reinforced with high-tenacity polyester yarn and coated through the weave with a 70% nitrile rubber / 30% PVC blend for good chemical resistance for produced water. Custom hose color and branding available on large volume orders.

**Construction** Nitrile/PVC blend extruded through the weave and a circular polyester woven reinforcement. No use of glues or adhesives.

**Safety Factor** Minimum 2.25 to 1

### Lining Properties

**Ultimate Tensile Strength** no less than 1200 psi

**Ultimate Elongation** when the tube/cover material is tested to UL-19 guidelines the material can elongate 400% before tearing (tensile strength test)

### Resistance

**Ozone** No cracking in lining or cover when tested to ASTM D518 Procedure B (100 pphm/118°F/70 hours)

**Chemical** Resistant to most chemicals and petroleum products



**Part Number** MWHWARFLEX•••-XX  
 MWHWARFLEXOR•••-XX orange  
 MWHWARFLEXYW•••-XX yellow

ID	Wall Thickness	Max WP	Weight	Reel Length
inch	inch	psi	lbs./660 ft.	feet
2	0.079	200	0.27	200,100, and 50 foot lengths
3	0.085	175	0.45	
4	0.093	150	0.64	
6	0.112	150	1.11	
8	0.126	150	1.88	
10	See TPU on page 5			
12	See TPU on page 5			



### Popular Assemblies Camlock

- 2" WARFLEX32-SL2375-A32CAMC-A32CAME-50FT-TVM
- 3" WARFLEX48-SL3375-A48CAMC-A48CAME-50FT-TVM
- 4" WARFLEX64-SL4475-A64CAMC-A64CAME-50FT-TVM
- 6" WARFLEX96-SL6500-A96CAMC-A96CAME-50FT-TVM
- 8" WARFLEX128-SL8500-A128CAMC-A128CAME-50FT-TVM

### Popular Assemblies Bauer

- 4" WARFLEX64-SL4475-64BBHDM-64BBHDF-50FT-TVM
- 6" WARFLEX96-SL6500-96BBHDM-96BBHDF-50FT-TVM
- 8" WARFLEX128-SL8500-128BBHDM-128BBHDF-50FT-TVM
- 10" POLYTW200160-SL10500-160BAHDM-160BAHDF-25FT-TVM
- 12" POLYTW150192-SL12750-192BAHDM-192BAHDF-25FT-TVM

### Popular Assemblies Grooved

- 6" WARFLEX96-SL6500-96KCG-96KCG-50FT-TVM

## Layflat Discharge

General purpose hoses for open end discharge. Non-absorbing, mildew proof, and rolls up flat for easy storage and handling. Common in construction, agriculture, irrigation, marine, and rental applications. PVC hoses are resistant to oils and grease.

**Tube and cover** are extruded simultaneously to achieve maximum bonding.

**Reinforcement** Polyester yarn

### Popular Assemblies Camlock

- 2" **BD**32-CG-A32CAMC-A32CAME-25FT, 50FT, 100FT
- 3" **BD**48-CG-A48CAMC-A48CAME-25FT, 50FT, 100FT
- 4" **BD**64-CG-A64CAMC-A64CAME-25FT, 50FT, 100FT
- 2" **GD**32-CG-A32CAMC-A32CAME-25FT, 50FT, 100FT
- 3" **GD**48-CG-A48CAMC-A48CAME-25FT, 50FT, 100FT
- 4" **GD**64-CG-A64CAMC-A64CAME-25FT, 50FT, 100FT
- 2" **REDHD**32-CG-A32CAMC-A32CAME-25FT, 50FT, 100FT
- 3" **REDHD**48-CG-A48CAMC-A48CAME-25FT, 50FT, 100FT
- 4" **REDHD**64-CG-A64CAMC-A64CAME-25FT, 50FT, 100FT
- 2" **YELHD**32-CG-A32CAMC-A32CAME-25FT, 50FT, 100FT
- 3" **YELHD**48-CG-A48CAMC-A48CAME-25FT, 50FT, 100FT
- 4" **YELHD**64-CG-A64CAMC-A64CAME-25FT, 50FT, 100FT

**Blue or Gray PVC**

Standard Duty  
**BD-XX** or **GD-XX**



**Red or Yellow PVC**

Heavy Duty  
**REDHD-XX** or **YELHD-XX**



**W**

Hoses	ID	Wall Thickness	Max WP	Burst	Roll Length	
	inch		psi	psi	ft.	
Blue Gray PVC	1	.052	110	Minimum 3 to 1	300	
	1-1/4	.056	80			
	1-1/2	.059				
	2	.059				
	2-1/2	.059	65			
	3	.063	80			
	4	.067	70			
Standard Duty	6	.075	60	Minimum 3 to 1	300	
	8	.087	35			
	Red Yellow PVC	1-1/2	.079			150
		2	.087			
		3	.095			
	Heavy Duty	4	.102			125
		6	.119			115
		8	.134			70





## Chemical 200 PSI

Lightweight chemical transfer hose designed for almost every common industrial chemical used in industry today (98% of chemicals) without staining / contamination.

UHMW handles a wider variety of chemicals than XLPE at virtually the same cost.

**Tube** Non-Chlorinated UHMW **Cover** EPDM

**Reinforcement** Multiple textile plies, dual helix wire

**Safety Factor** Minimum 3 to 1



**Popular Assemblies** SS316 Camlock

2" UHMW20032-NF2750-632CAMC-632CAME-20FT-TVM

3" UHMW20048-NF3750-648CAMC-648CAME-20FT-TVM

4" UHMW20064-NF4750-664CAMC-664CAME-20FT-TVM

**Popular Assemblies** SS316 Fixed x Float Flange

2" UHMW20032-NF2625-632FL150-632FF150-20FT-TVM

4" UHMW20064-NF4750-664FL150-664FF150-20FT-TVM

6" UHMW20096-NF7125-696FL150-696FF150-20FT-TVM



Part Number CHEMUHMW200-XX SPEC SHEET ORDER



Part Number CHEMUHMWC200-XX SPEC SHEET ORDER



Item	ID inch	OD inch	Max WP psi	Suction in./HG	Bend Radius inch	Weight lbs/ft	Coil Length feet
Smooth Cover	3/4	1.19	200	30 Full Vacuum	3.5	0.58	100
	1	1.47			4.3	0.62	
	1-1/4	1.80			5.3	0.89	
	1-1/2	2.08			6.3	1.11	
	2	2.58			9.3	1.47	
	3	3.61			13.2	2.34	
	4	4.61			17.3	3.06	
	6	6.77			33.0	5.96	
Corrugated Cover More Flexible	2	2.60	9.2	1.52			
	3	3.66	13.4	2.53			
	4	4.65	17.3	3.23			
	6	6.85	25.8	7.09			

TEST DOCUMENTATION

## Tank Truck 150 PSI

Designed to handle diesel, ethanol, gasoline, oil, and petroleum based products that have up to 50% aromatics. Assemblies are grounded.

**Tube** Nitrile (NBR) **Cover** Neoprene (CR)

**Reinforcement** Multiple textile plies, dual helix wire

**Safety Factor** Minimum 3 to 1



**Popular Assemblies** Camlock

2" TT15032-SL2563-A32CAMC-A32CAME-10FT-TVM, 20FT

3" TT15048-SL3688-A48CAMC-A48CAME-10FT-TVM, 20FT

4" TT15064-SL4688-A64CAMC-A64CAME-10FT-TVM, 20FT

6" TT15096-SL6875-A96CAMC-A96CAME-10FT-TVM, 20FT

8" TT150128-SL9000-A128CAMC-A128CAME-10FT-TVM, 20FT

**Popular Assemblies** Bauer

4" TT15064-SL4688-64BBHDM-64BBHDF-10FT-TVM, 20FT

6" TT15096-SL6875-96BBHDM-96BBHDF-10FT-TVM, 20FT

8" TT150128-SL9000-128BBHDM-128BBHDF-10FT-TVM, 20FT

**Popular Assemblies** Fixed x Float Flange

4" TT15064-SL4688-64FL150-64FF150-20FT-TVM

6" TT15096-SL6875-96FL150-96FF150-20FT-TVM



Part Number MWHTT150-XX SPEC SHEET ORDER



ID inch	OD inch	Max WP psi	Suction in./HG	Bend Radius inch	Weight lbs/ft	Coil Length feet
1-1/4	1.69	150	30 Full Vacuum	6.0	0.70	100
1-1/2	1.93			6.7	0.78	100
2	2.48			9.8	1.10	100/200
2-1/2	2.99			12.2	1.46	100
3	3.50			15.0	1.86	100/200
4	4.56			20.1	2.71	100/200
6	6.73			24.0	4.81	100
8	8.79			32.0	7.82	60

TEST DOCUMENTATION



SS Female Camlock  
x Flange Adapter

...DL-AL



SS Female x Male  
Camlock Reducer

CAM..X..AS



Poly Bolted Ball Valve

VBA8FP125-XX



SS Threaded Pipe Tee

S404TEE-XX



Secure-Lok

SECURE-LOK



## Rubber Water Suction

Designed for water, salt water, and mild acids such as water based agricultural fertilizers.



Part Number MWHBRS150-XX [SPECSHEET](#) [ORDER](#)

**Tube** EPDM **Cover** EPDM

**Reinforcement** Multiple textile plies, dual helix wire

**Safety Factor** Minimum 3 to 1



**Popular Assemblies** Camlock

2" BRS15032-SL2563-A32CAMC-A32CAME-20FT-TVM, 25FT

3" BRS15048-SL3688-A48CAMC-A48CAME-20FT-TVM, 25FT

4" BRS15064-SL4688-A64CAMC-A64CAME-20FT-TVM

6" BRS15096-SL6875-A96CAMC-A96CAME-20FT-TVM

8" BRS150128-SL9125-A128CAMC-A128CAME-20FT-TVM

**Popular Assemblies** Bauer

6" BRS15096-SL6875-96BBHDM-96BBHDF-20FT-TVM

8" BRS150128-SL9125-128BBHDM-128BBHDF-20FT-TVM

10" BRS150160-SL11250-160BAHDM-160BAHDF-10FT, 20FT

12" BRS150192-SL13250-192BAHDM-192BAHDF-10FT, 20FT

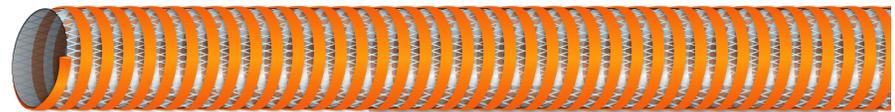
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ID inch	OD inch	Max WP psi	Suction in./HG	Bend Radius inch	Weight lbs/ft	Coil Length feet
1-1/2	1.86	150	30 Full Vacuum	6.0	0.60	100
2	2.36			8.0	0.76	
3	3.54			14.0	1.44	
4	4.54			18.0	2.25	
6	6.68			28.0	3.94	
8	9.00			40.0	8.68	
10	11.27			50.0	15.80	40
12	13.27			60.0	18.63	20

[TEST DOCUMENTATION](#)

## Clear with Orange Helix Water Suction

Designed for applications that require the hose to slide easily or require visual confirmation of material flow. Great for pumping water and light chemical solutions.

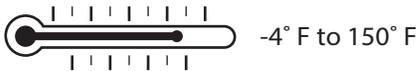


Part Number COHWS-XX [SPECSHEET](#) [ORDER](#)

**Tube** Double ply PVC **Cover** Rigid PVC helix

**Reinforcement** Polyester braid and PVC helix

**Safety Factor** Minimum 3 to 1



**Popular Assemblies** Camlock

2" COHWS32-SL2750-A32CAMC-A32CAME-10FT-TVM, 20FT

3" COHWS48-SL3750-A48CAMC-A48CAME-10FT-TVM, 20FT

4" COHWS64-SL4813-A64CAMC-A64CAME-10FT-TVM, 20FT

6" COHWS96-SL7375-A96CAMC-A96CAME-10FT-TVM, 20FT

8" COHWS128-SL9500-A128CAMC-A239CAME-10FT-TVM, 20FT

**Popular Assemblies** Bauer

4" COHWS64-SL4813-64BBHDM-64BBHDF-10FT-TVM, 20FT

6" COHWS96-SL7375-96BBHDM-96BBHDF-10FT-TVM, 20FT

8" COHWS128-SL9500-128BBHDM-128BBHDF-10FT-TVM, 20FT

10" COHWS160-SL11750-160BAHDM-160BAHDF-10FT-TVM, 20FT

12" COHWS192-SL13950-192BAHDM-192BAHDF-10FT-TVM, 20FT

W  
C

ID inch	OD inch	Max WP psi	Suction in./HG	Bend Radius inch	Weight lbs/ft	Coil Length feet
2	2.62	100	30	4	0.71	100
3	3.71	100	Full	6	1.14	
4	4.80	75	Suction	7	1.75	
6	7.17	70	28	10	3.90	100/60/20
8	9.33	70		16	5.56	25/20
10	11.63	40		25	8.68	20
12	13.66	28		45	10.30	20

[TEST DOCUMENTATION](#)



Right Threaded Spiral Hose Clamp,  
Left Threaded Spiral Hose Clamp

8 SC..., SC...L



Camlock Sightglass  
Assembly

CAM-SIGHTGLASS-...



Electromagnetic  
Flowmeter

AG3000-...



Male Camlock x Flange

...AL-AL



Quick Opening  
Lever Gate Valve

VGQB200-...



## EPDM Suction

Lightweight, flexible, rugged suction/discharge hose that has good chemical resistance. Excellent for transferring fertilizer solutions, septic solutions, and pesticides. Hose remains flexible in sub-zero temperatures. Helix serves as a scuff strip.

**Tube** EPDM **Cover** EPDM/Green Spiral  
**Reinforcement** Green polyethylene helix  
**Safety Factor** Minimum 3 to 1



Available in other colors such as yellow, blue, and red.

## Clear/Green PVC Suction

Economical general service suction and discharge hose used for pumping water and light chemical solutions. PVC helix increases flexibility and abrasion resistance while the smooth interior provides maximum flow.

**Tube** PVC **Cover** PVC  
**Reinforcement** Rigid poly helix  
**Safety Factor** Minimum 3 to 1



**Popular Assemblies Camlock**  
2" GS32-CG-A32CAMC-A32CAME-20FT  
3" GS48-CG-A48CAMC-A48CAME-20FT  
4" GS64-CG-A64CAMC-A64CAME-20FT  
**Popular Assemblies Pin Lug**  
2" GS32-CG-A32PLM-A32PLF-20FT  
3" GS48-CG-A48PLM-A48PLF-20FT  
4" GS64-CG-A64PLM-A64PLF-20FT

**Popular Assemblies MP x Female Cam with Strainer**  
2" GS32-CS-32KC-A32CAMC-20FT+STR-RH200  
3" GS48-CS-48KC-A48CAMC-20FT+STR-RH300  
4" GS64-CS-64KC-A64CAMC-20FT+STR-RH400  
6" GS96-CS-96KC-A96CAMC-20FT+STR-RH600  
**Popular Assemblies Plated MP x Female Pin Lug with Strainer**  
2" GS32-CS-P32KC-32PLF-20FT+STR-RH200  
3" GS48-CS-P48KC-48PLF-20FT+STR-RH300  
4" GS64-CS-P64KC-64PLF-20FT+STR-RH400  
6" GS96-CS-P96KC-96PLF-20FT+STR-RH600



Round Hole Strainer

RHS..



Foot Valve

DFVS..



Round Hole Skimmer

DST..



Camlock Type F

CAM..FA



Wafer Butterfly Valve

VBFWSN-DD1GL..



**Part Number** EPDMGS-XX **SPEC SHEET** **ORDER**



ID	OD	Max WP	Suction	Bend Radius	Weight	Coil Length
inch	inch	psi	in./HG	inch	lbs./ft.	ft.
1	1.34	80	28	4	0.23	100
1-1/2	1.96	60		0.49		
2	2.49	60		9	0.69	
3	3.60	50		12	1.03	
4	4.69	45		17	1.81	
6	6.86	35	20	27	3.84	

**Popular Assemblies Camlock**  
2" EPDMGS32-SL2563-A32CAMC-A32CAME-20FT, 25FT, 50FT  
3" EPDMGS48-SL3750-A48CAMC-A48CAME-20FT, 25FT, 50FT  
4" EPDMGS64-SL4813-A64CAMC-A64CAME-20FT, 25FT, 50FT

**TEST DOCUMENTATION**



**Part Number** CS-XX **SPEC SHEET** **ORDER**



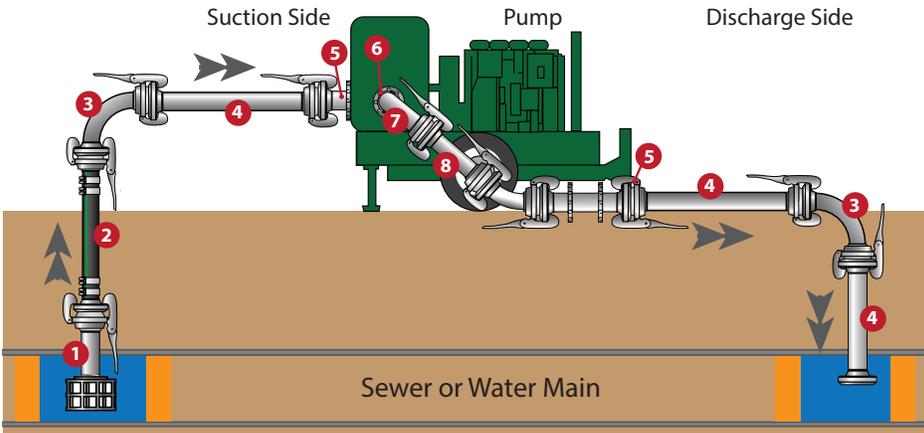
**Part Number** GS-XX **SPEC SHEET** **ORDER**

ID	OD	Max WP	Suction	Bend Radius	Weight	Coil Length
inch	inch	psi	in./HG	inch	lbs./ft.	ft.
1	1.27	90	28	3	.27	100
1-1/4	1.56	90		4	.36	
1-1/2	1.82	90		5	.47	
2	2.36	70		6	.66	
2-1/2	2.90	65		8	.92	
3	3.44	55		9	1.20	
4	4.52	50		13	1.87	
6	6.80	45		24	4.56	

**TEST DOCUMENTATION**

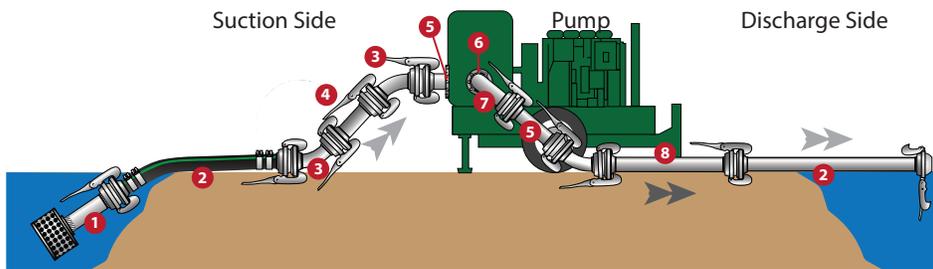


## Bypass



	Common	Alternative	Notes
1	BAUBMC-SEWSTR800	BAUBMC-MPL800 + SHS80	Strainers keep debris from damaging pump impeller and decrease maintenance costs. A threaded strainer can be replaced once damaged vs replacing the entire ball assembly, saving money.
2	BRS 20FT 8" HD Bauer Type B	COHWS 20FT 8" HD Bauer Type B	Hose Assemblies are more flexible than Pipe Assemblies.
3	BAUBMC-FC90800		Elbows make for a smooth transition versus a hose that can kink.
4	BAUB-GALV10800	BAUBHDPE17/800-10FT	In this position, galvanized or HDPE pipe would be preferred because it would not require the support system a hose would.
5	BAUBMC-FL150800	BAUBFC-FL150800	Flanged fittings offer an air-tight seal required by self priming and auto priming pumps.
6	Swing Check Flap Valve		The valve's smooth, unrestricted full flow design makes it an excellent choice for slurries and sludge, even in vertical flow-up applications.
7	FL150C90-128 + BAUBMC-FL150800	FL150C90-128 + BAUBFC-FL150-800	Flange x Flange fittings fabricated in-house, give us the opportunity to meet our customers needs.
8	Composite 10FT 8" w/ Flanges		Composite hose assemblies offer the maximum flexibility for extreme bends and are light for easy set-up.

## Dewatering/Open Discharge

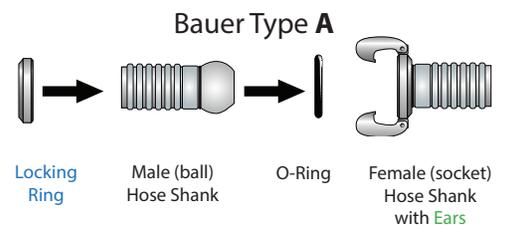
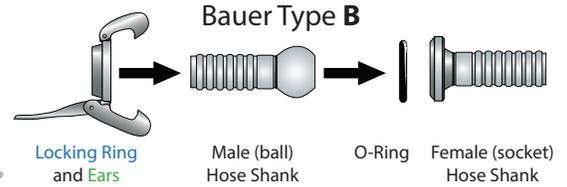


	Common	Alternative	Notes
1	BAUBMC-STR800	BAUTMC-TEEFLOAT800	Tee Floats keep the intake at the surface to minimize sediment and solids going to the pump to reduce wear and tear.
2	BRS 20FT 8" Type B Bauer HD	COHWS 20FT 8" HD Bauer Type B	Midwest Hose prebuilt, pressure tested PVC and rubber hose assemblies are the best solution for rough terrain applications.
3	BAUBMC-FC45800		Bauer style elbows create less friction and are not subject to kinking like a hose could.
4	BAUBMC800-MC800	BAUBFC-FL150800	Male x Female conversion connections come in handy at the jobsite to make all of the possible connections.
5	BAUBMC-FL150800		Flange connections make for a more air-tight seal at the pump.
6	Swing Check Flap Valve		The Swing Check Flapper Valve is the valve of choice based on its simple, maintenance-free design, low headloss and non-slam characteristics.
7	FL150C90-128-FAB + BAUBMC-FL150800		Flange x Flange adapters fabricated in-house give MWH the opportunity to meet our customers needs.
8	WARFLEX 50FT 8" HD Bauer Type B		Warflex Bauer assemblies are the best remedy for discharge over long distances versus multiple pipe connections.

## Midwest Hose HD Bauer Fitting

Designed for quick connection that can be offset compared to groove or camlock which must be a straight line connection.

ID inch	Connection WP psi	Common Connection
2	290	B
3	290	
4	174	
6	174	
8	174	A, B
10	50	
12	50	

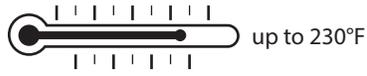


**Difference**

- Locking Ring position
- Ears position

## Steel Pipe with Galvanized Plating

Can be used for clean water, storm drain, sewer by-pass, or transmission lines.



Size	Wall MM	Max WP	10 Foot Weight	20 Foot Weight
inch		psi	lbs	lbs
4	0.85	174	26	41
6	1.00		44	75
8	1.10		65	100
12	1.50	50	138	N/A

### Popular Assemblies Bauer

- 4" BAUBGALV400-10FT, 20FT
- 6" BAUBGALV600-10FT, 20FT
- 8" BAUBGALV800-10FT, 20FT
- 10" BAUBGALV1000-10FT, 20FT
- 12" BAUBGALV1200-10FT, 20FT

## Bauer Adapters

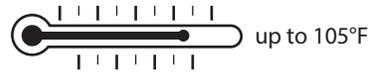
### Strainers

<p><b>BAU•MC-SEWSTR</b> Bauer Sewer Strainer</p>	<p><b>BAU•MC-PANSTR</b> Bauer Pancake Strainer</p>	<p><b>BAUBMC-RHSTR</b> Bauer Small Hole Strainer</p>	<p><b>BAUBMC-RHSTR</b> Bauer Round Hole Strainer</p>
<p><b>BAU•MC-MPL</b> Male Bauer x MP Long Ball</p>	<p><b>BAU•FC-MP</b> Female Bauer x MP</p>	<p><b>BAU•MC-FL150</b> Male Bauer x Flange</p>	<p><b>BAU•FC-FL150</b> Female Bauer x Flange</p>
<p><b>BAU•MC-FC45</b> Male Bauer x Female 45</p>	<p><b>BAU•MC-FC90</b> Male Bauer x Female 90</p>	<p><b>BAU•Y</b> Double Female "Y" Bauer</p>	
<p><b>BAUV-YM</b> Female x Male x Male "Y" Bauer</p>	<p><b>BAU•FC•••-MC</b> Bauer Reducer</p>	<p><b>BAU•FC•••-MC</b> Bauer Increaser</p>	<p><b>BAU•PLUG</b> Bauer Plug</p>
<p><b>BAU•CAP</b> Bauer Cap</p>	<p><b>BAU•LR,BAU•RG</b> Bauer Locking Lever, O-Ring</p>	<p><b>BAU•STEPBOW</b> Bauer Stepbow</p>	

## HDPE Pipe High Density Polyethylene

For water or sewer bypass, temporary use. Molded adapters preferred over welded.

IPS = Iron Pipe Size



### Popular Assemblies Bauer

- 4" BAUBHDPE17/400-10FT, 20FT
- 6" BAUBHDPE17/600-10FT, 20FT
- 8" BAUBHDPE17/800-10FT, 20FT
- 12" BAUBHDPE17/1200-10FT, 20FT

Size	SDR	Max WP	10 Foot Weight	20 Foot Weight
inch		psi	lbs	lbs
4	17	125	28	42
6			59	91
8			92	147
12			124	248

**IPS FL-**  
HDPE x Flange

2" - 12" requires HDPE fuser to attach to HDPE pipe

<p><b>IPS SOFLG-</b> Backup Ring</p>	<p><b>IPS E90-</b> Molded Elbow 90</p>	<p><b>IPS SWEEP-E90- IPS SWEEP-E45</b> Fabricated Elbow 45</p>	<p><b>IPS RTE-</b> Molded Tee</p>	<p><b>IPS CRO-</b> Cross</p>	<p><b>IPS WYE-</b> Wye (Discharge Only)</p>	<p><b>IPS CRED-</b> Reducer</p>
<p><b>IPS CAP-</b> Molded End Cap</p>	<p><b>IPS ANCR- IPS STOP-</b> Wall Anchor &amp; Water Stop</p>	<p><b>IPS SADL-</b> Branch Saddle</p>	<p><b>IPS GRV-</b> HDPE x Groove</p>	<p><b>IPS BBHDM- IPS BBHDF-</b> HDPE x Ring Lock</p>	<p><b>BAUTMC-TEEFLOAT</b> Tee Float</p>	<p><b>GRVHDPE-</b> HDPE Coupling</p>

## AC Ducting

	MWH Item	Description	Material Color	Wearstrip Color	Pitch	End Connection 1	End Connection 2	Duct Purpose
	DUCTYB6-WW-12X25FT	AC/Dehu Ducting .040 wall thickness	Yellow	Black	6"	Wire Rope	Wire Rope	Supply (Discharge)
	DUCTYB6-WW-14X25FT		Yellow	Black		Wire Rope	Wire Rope	
	DUCTYB6-WW-16X25FT		Yellow	Black		Wire Rope	Wire Rope	
	DUCTYB6-WW-18X25FT		Yellow	Black		Wire Rope	Wire Rope	
	DUCTYB6-WW-20X25FT		Yellow	Black		Wire Rope	Wire Rope	
	DUCTGW3-WW-12X25FT	AC Ducting pvc material 530GM/M2	True Green	White	3"	Wire Rope	Wire Rope	Return (Suction)
	DUCTGW3-WW-16X25FT		True Green	White		Wire Rope	Wire Rope	
	DUCTGW3-WW-20X25FT		True Green	White		Wire Rope	Wire Rope	
	DUCTWW6-WW-12X8FT		White	White		Wire Rope	Wire Rope	
	DUCTWW6-WW-12X15FT	AC Ducting pvc material 530GM/M2	White	White	6"	Wire Rope	Wire Rope	Supply (Discharge)
	DUCTWW6-WW-12X25FT		White	White		Wire Rope	Wire Rope	
	DUCTWW6-WW-16X15FT		White	White		Wire Rope	Wire Rope	
	DUCTWW6-WW-16X25FT		White	White		Wire Rope	Wire Rope	
	DUCTWW6-WW-20X25FT		White	White		Wire Rope	Wire Rope	
	DUCTWW6-WW-20X25FT		White	White		Wire Rope	Wire Rope	
	DUCTWW-20W-12W-12W	Y connector	White	White	N/A	Wire Rope	Wire Rope	Connector
	DUCTWW-20W-20W-20W		White	White	N/A	Wire Rope	Wire Rope	Connector
	DUCTWW4-BB-12X8FT	AC Ducting pvc material 530GM/M2	White	White	4"	Belt Cuff	Belt Cuff	Supply (Discharge)
	DUCTWW4-BB-12X15FT		White	White		Belt Cuff	Belt Cuff	
	DUCTWW4-BB-12X25FT		White	White		Belt Cuff	Belt Cuff	
	DUCTWW4-BB-16X15FT		White	White		Belt Cuff	Belt Cuff	
	DUCTWW4-BB-16X25FT		White	White		Belt Cuff	Belt Cuff	
	DUCTWW4-BB-20X25FT		White	White		Belt Cuff	Belt Cuff	
	DUCTWW4-BB-20X25FT		White	White		Belt Cuff	Belt Cuff	
	DUCTWB4-WW-20X25FT		White	Black		Wire Rope	Wire Rope	

## Heat Ducting

	MWH Item	Description	Material Color	Wearstrip Color	Pitch	End Connection 1	End Connection 2	Duct Purpose
	DUCTHTBB6-BW-12X12FT	Heat ducting flame retardent TEMPERATURES UP TO 300°F Heavy Duty and Highly Tear Resistant	Black	Black	6"	Belt Cuff	Belt Cuff	Supply (Discharge)
	DUCTHTBB6-BW-12X25FT		Black	Black		Belt Cuff	Belt Cuff	
	DUCTHTBB6-BW-20X25FT		Black	Black		Belt Cuff	Belt Cuff	
	DUCTHTBB6-BW-24X25FT		Black	Black		Belt Cuff	Belt Cuff	

## Insulated Ducting

	MWH Item	Description	Material Color	Wearstrip Color	Pitch	End Connection 1	End Connection 2	Duct Purpose
	DUCTINSWB6-WW-20X25FT	AC Insulated Ducting Weight is 13oz/yd <sup>2</sup>	White	Black	6"	Wire Rope	Wire Rope	Supply (Discharge)

## Layflat Ducting

	MWH Item	Description	Material Color	Wearstrip Color	Pitch	End Connection 1	End Connection 2	Duct Purpose
	DUCTLAYFLAT-6MIL-33X500FT	6MIL Layflat Poly Tubing	Clear	N/A	N/A	Open	Open	Supply (Discharge)
	DUCTLAYFLATSB-6MIL-33X500FT		Clear			Open	Open	
	DUCTLAYFLATW-6MIL-33X500FT		White			Open	Open	

Layflat Ducting is a poly ducting for negative air machines, dehumidifiers, airscrubbers, and similar machines. It is most commonly used for dehumidification and cold air supply.





# Ducting End Finishes/Couplings & Clamps

A strip of fabric is incorporated into the cuff, equipped with nickel-plated buckles or clip fasteners.



**DUCT-BCUFF-...**

Belt Cuff

A fabric extension is added to the end without support wire. This additional fabric provides extra coupling flexibility for attachments.



**DUCT-SCUFF-...**

Soft Cuff

Ends of the ducting have a wire ring incorporated into the fabric, which is inserted into a ducting end with the same finish; coupling assemblies are used to secure the two rings together.



**DUCT-WRCP**

Wire Rope Coupling

Loop is sewn around the cuff of one duct end, with a hook flap attached to the connecting end of the next duct; the hook flap wraps around the loop end (hook flaps correspond to the air entry end).



**DUCT-HLCUFF**

Hook and Loop Cuff

8" - 30"  
Sold separately or integrated into the hose during manufacturing.



**DUCT-JLFCP-...**  
**DUCT-JLMCP-...**

J-Lock Coupling

8" - 30"  
A two pin black metal quick-connect coupling. The metal collar is riveted to duct ends.



**DUCT-PLCP-...**

Pin-Lock Coupling

8" - 48"  
Quick-release spring loaded over-center clamp on the inlet end and a stainless steel collar on outlet end.



**DUCT-QRC-...**

Quick Release Clamps

## Hose Bridges

Safe travel area for driving or walking over hoses, pipes cables, etc.  
Up to 10" O.D. openings. Each component only weighs up to 60 lbs.  
Available in Summer 2020



### Standard Hose Bridge

- Openings: two 5", two 4", two 3"
- 4-piece kit
- Puzzle piece connections
- 14,000 lb per axle load capacity



### Super Hose Bridge

- Standard set + super (middle connectors)
- Adds openings for up to 10" O.D.
- 6-piece kit total
- 14,000 lb per axle load capacity



### Pedestrian Hose Bridge

- One person can carry and assemble
- Open weave grip covering for dry, slip-resistant footing
- Can be ordered with one or two railings



### Half Bridge Extension

- Expanding the distance between bridge halves to provide better clearance for low profile vehicles
- Weighs only 55 lbs



### Half Pedestrian Bridge

- Available as a half bridge for curb access
- Option of one or two railings
- Additional holes for securing bridge to the ground

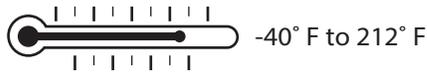
# Discharge Hose



## Yellow Wire Braid Air (Bull Hose)

Designed for air-operated construction equipment, can handle oil mist from compressors. The standard for heavy duty rock drilling.

- Tube** Nitrile / SBR blend
- Cover** Neoprene / SBR blend
- Reinforcement** 2 wire braids
- Safety Factor** Minimum 3 to 1



A W	ID	OD	Max WP	Suction	Bend Radius	Weight	Coil Length
	inch	inch	psi	in./HG	inch	lbs/ft	feet
W	3/4	1.28	800	25	6	0.41	100
	1	1.55			8	0.80	
	1-1/4	1.80			10	1.02	
	1-1/2	2.21	600	15	12	1.43	
	2	2.66			14	1.93	
	2-1/2	3.16			30	3.28	
	3	3.72	500	10	36	4.10	
	4	5.00			48	5.32	

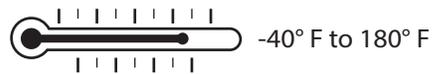
**TEST DOCUMENTATION**

- Popular Assemblies** Ground Joints with boss clamps or crimped  
 2" YW32-BC-32GJF-32GJF-25FT, 50FT, 100FT  
 3" YW48-BC-48GJF-48GJF-25FT, 50FT, 100FT

## Rubber Water Discharge (Chiller Hose)

Designed for water discharge in construction, heavy duty equipment rental, and mines and quarries. Soft-wall hose construction provides similar performance to layflat hose but almost no condensation with more abrasion resistance.

- Tube** SBR **Cover** SBR
- Reinforcement** Synthetic textile
- Safety Factor** 3 to 1



W	Hose	ID	OD	Max WP	Weight	Coil Length
		inch	inch	psi	lbs/ft	feet
W	2 Ply	1-1/2	1.78	150	0.44	100
		2	2.28		0.62	
		2-1/2	2.78		0.75	
		3	3.28	150	0.95	
		4	4.31		1.25	
		6	6.31	100	2.68	
		8	8.72	100	3.77	
W	4 Ply	10	10.42	80	5.00	100
		1-1/2	1.89	250	0.55	
		2	2.39		1.00	
		2-1/2	2.89		1.33	
		3	3.39	200	1.58	
		4	4.43		2.15	
		6	6.43	3.25		
		8	8.47	150	4.50	
		10	10.53		5.50	
		12	12.53		8.00	

**TEST DOCUMENTATION**

- Popular Assemblies** Brass Camlock  
 2" WD2PLY32-CS-B32CAMC-B32CAME-50FT  
 3" WD2PLY48-CS-B48CAMC-B48CAME-50FT  
 4" WD2PLY64-CS-B64CAMC-B64CAME-50FT  
 6" WD2PLY96-CS-B96CAMC-B96CAME-50FT
- Popular Assemblies** Grooved End  
 4" WD2PLY64-SL4475-KCG400-KCG400-25FT-TVM  
 6" WD2PLY96-SL6500-KCG600-KCG600-25FT-TVM



Ground Joint Set  
3/4" - 6"



Boss Clamp  
3/4" - 6"



Hose Halter  
22" - 64"



Whipsock  
1/2" - 6"



Ball Valve  
1/4" - 4"



## Single Jacket Mill Hose

Designed for open end discharge applications. Uses include connections to fire hydrants, dust control water trucks, water spraying, and water discharge. Immune to mildew.

**Tube** Single ply synthetic rubber

**Cover** Polyester

Length up to 100 feet

**Popular Assemblies** Camlock, NST, Pin Lug

2" MILL32-SL2375-A32CAMC-A32CAME-50FT

2" MILL32-SL2375-A32PLM-A32PLF-50FT



W

Item	ID	SP psi	Bowl Size	Weight Per 50' Uncpld.
MILL-24	1.5"	250	1-3/4"	10 lbs.
MILL-32	2"		2-1/4"	11.5 lbs.
MILL-40	2.5"		2-11/16"	17 lbs.
MILL-48	3"		3-1/4"	21 lbs.
MILL-64	4"		4-3/8"	40 lbs.

SPECSHEET ORDER

## Double Jacket Mill Hose

Double jacket for rugged environment. Immune to mildew.

**Tube** Single ply synthetic rubber

**Cover** Double jacket polyester

Length up to 100 feet

**Popular Assemblies** Camlock, NST, Pin Lug

2" MILLDJ32-SL2375-A32CAMC-A32CAME-50FT

2" MILLDJ32-SL2375-A32PLM-A32PLF-50FT



W

Item	ID	SP psi	Bowl Size	Weight Per 50' Uncpld.
MILLDJ-24	1.5"	300	1-13/16"	12.95 lbs
MILLDJ-32	2"		2-5/16"	17.95 lbs
MILLDJ-40	2.5"		2-7/8"	23.6 lbs

SPECSHEET ORDER

## Contractors Water Assemblies

Coupled male x female with brass garden hose threads. Designed for water transfer and wash down.

**Tube** EPDM

**Cover** EPDM

**Working Pressure** 150 PSI

**Reinforcement** 2 textile spirals



**Popular Assemblies**

5/8" CWHBR10-50FT

3/4" CWHBR12-50FT

W

12', 25', 50', or 100' lengths  
Tested to -42° F



**HEATEDWH10-••FT**

Heated Water Hose w/ Built-in heater to keep from freezing

## Midwest Mobile

- Emergency service
- 24 hours / 7 days
- Professional technicians
- Installation on site
- Field replacement hose assemblies



# Discharge Hose



## Multipurpose Air

Designed to handle oily mists used to lubricate pneumatic tools. Tube is good for air and oil. Suitable for light agricultural spraying such as diluted solutions of herbicides. NOT for fuels.

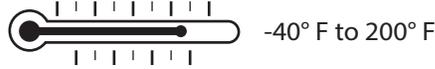


Part Number MWHMP300-XX **SPECSHEET** **ORDER**

**Tube** EPDM RMA Class C  
**Cover** EPDM  
**Reinforcement** 4 textile spirals  
**Safety Factor** 3 to 1



ID	OD	Max WP	Bend Radius	Weight	Reel Quantity
inch	inch	psi	inch	lbs./ft.	ft.
1/4	.62	300	1.50	.15	500
3/8	.71		2.25	.18	500
1/2	.84		3	.25	500
5/8	1.00		3.75	.30	400
3/4	1.15		4.5	.37	400
1	1.43	200	7	.50	300
1-1/4	1.75		8.75	.81	200
1-1/2	2.00		10.5	.94	200
2	2.55		14	1.12	200



**Popular Assemblies** KC Nipples, SS Clamps  
 3/4" MP30012-CS-12KC-12KC-50FT, 100FT  
 1" MP30016-CS-16KC-16KC-50FT, 100FT  
 1.25" MP20020-CS-20KC-20KC-50FT, 100FT  
 1.5" MP20024-CS-24KC-24KC-50FT, 100FT  
 2" MP20032-CS-32KC-32KC-50FT, 100FT

**Popular Assemblies** Crowfoot, SS Clamps  
 3/4" MWHAT300RD12-12CROW-12CROW-50FT, 100FT  
 1" MWHAT300RD16-12CROW-12CROW-50FT  
 3/4" MWHAT300YE12-12CROW-12CROW-50FT, 100FT

**TEST DOCUMENTATION**

## PVC Air 300 PSI

General purpose hose that can handle air, water, oil, mist, and mild chemical applications.

**Tube** PVC **Cover** PVC  
**Reinforcement** 2 textile spirals  
**Safety Factor** 3 to 1



Part Number MWHPVC300BUXX **SPECSHEET** **ORDER**



ID	OD	Max WP	Bend Radius	Weight	Reel Quantity
inch	inch	psi	inch	lbs./ft.	ft.
1/4	0.5	300	1.5	.09	600
3/8	0.63		2.25	.14	
1/2	0.78		3.00	.18	

**TEST DOCUMENTATION**

## Air Tool and Jackhammer Assemblies

<p>MWHPVC300BU06-04MP-04MP-••FT Air Tool Blue PVC 3/8" hose with 1/4" MP</p>	<p>MWHAT300RD06-04MP-04MP-••FT Air Tool Red EPDM 3/8" hose with 1/4" MP</p>	<p>MWHAT300RD••••CROW-••CROW-••FT Jackhammer Red EPDM 3/4" or 1" hose with crowsfeet</p>	<p>MWHAT300YE••••CROW-••CROW-••FT Jackhammer Yellow EPDM 3/4" or 1" hose with crowsfeet</p>
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<h2>Valves</h2> <p>We offer a wide variety of valves to provide our customers the best solution for fluid and gas control. From standard brass ball valves for quick on/off control to lug butterfly valves to regulate flow to everything in between.</p>	<p>ANSI 150# (8 Bolt) 4", 5"</p> <p><b>VBFW8-DD1EL</b> Wafer Notched, Short Neck EPDM Seat</p>	<p>Wafer with alignment holes 4" to 12"</p> <p><b>VBFLSN-DD1EL</b> Semi Lug Style, Short Neck, EPDM Seat</p>	<p>150 WSP (Steam) 1/4" to 4" Import, Domestic</p> <p><b>VBA2FB600</b> 2 Piece Full Port Brass 600 WOG</p>	<p>4"-16"</p> <p><b>VCKSPC150-••FL</b> Spring check valve, flanged ends</p>	
	<p>4"-24"</p> <p><b>VG8C150-••FL</b> Flanged gate valve</p>	<p>Bi-directional 4"-24"</p> <p><b>VGKC150-••FL</b> Flanged knife gate valve</p>	<p>4"-16"</p> <p><b>VBFGSR-DD1BL-XX</b> Grooved End Lever Handle Butterfly Valve</p>	<p>4"-16"</p> <p><b>VBFLSB-DD1BL-XX</b> Lug Style Butterfly Valve</p>	<p>2"-48"</p> <p><b>504A BUNA 506C BUNA</b> Swing Check Flapper Valve</p>
	<p>3/8"-4"</p> <p><b>VCKSWB200FF-XX</b> Brass Swing Check Valve</p>	<p>1/4"-4"</p> <p><b>VG8B200-XX</b> Brass Gate Valve</p>	<p>2"-4"</p> <p><b>VBA8FP70-XX</b> Poly Bolted Ball Valve</p>	<h2>Flow Meters</h2> <p>From propeller to electromagnetic, flow meters help to determine and monitor fluid movement for many different applications including water and wastewater treatment, municipalities, pump skids, pump stations, packaged plants, filtration systems, reclaimed water, and hydraulic fracturing.</p>	<p>4", 6", 8", 10", 12"</p> <p><b>AG3000-XX</b> Irrigation Magmeter</p>
	<p>3", 4", 6", 8", 10", 12"</p> <p><b>IMAG4700-XX</b> Industrial Magmeter</p>	<p>1" - 3"</p> <p><b>WMP104-XX</b> Plastic Bodied Magmeter</p>	<p>3" - 8"</p> <p><b>WTP107</b> PVC In-Line Turbine Meter</p>		<p>3", 4", 6", 8"</p> <p><b>WTS107-•••</b> SS In-Line Turbine Meter</p>

## Submersible Hydraulic Hose

MWH 4SH hose is constructed with a synthetic rubber tube and a synthetic rubber cover which is ideal for the submersible pump application.



**Tube** Synthetic Rubber **Cover** Synthetic Rubber  
**Reinforcement** Four high tensile steel wire spirals



### Popular Assemblies Hose Assemblies for Submersible Pumps

- 3/4" BFS-4SH12-4WB1212MP-6WSF6-WS6F6-50FT
- 3/4" BFS-4SH12-4WB1212MPSS-6WSF6-WS6F6-50FT
- 3/4" BFS-4SH12-4WB1212MP-6WSF6-WS6F6-50FT
- 1" BFS-4SH16-4WB1616MPAPI-8WSF8-WSF8-50FT
- 1" BFS-4SH16-4WB1616MPAPISS-W8F8B-8WF8B-50FT
- 1" BFS-4SH16-4WB1616MPAPI-W8F8B-8WF8B-50FT
- 1.25" BFS-4SH20-4WB2020MP-10WSF10-WS10F10-50FT
- 1.25" BFS-4SH20-4WB2020MPSS-W10F10B-10WF10B-50FT
- 1.25" BFS-4SH20-4WB2020MP-W10F10B-10WF10B-50FT
- 1.5" BFS-4SH24-4WB2424MPSS-WSILF12-12WSF12-50FT
- 1.5" BFS-4SH24-4WB2424MP-WSILF12-12WSF12-50FT

MWH4SH	ID	OD	Max WP	Min BP	Bend Radius	Weight	
							inch
MWH4SH-12	3/4	0.756 +/- .024	1.268 +/- .031	6,095	24,380	11.0	0.99
MWH4SH-16	1	1.012 +/- .028	1.524 +/- .047	5,515	22,060	13.4	1.37
MWH4SH-20	1-1/4	1.268 +/- .031	1.791 +/- .063	5,000	20,000	18.1	1.60
MWH4SH-24	1-1/2	1.516 +/- .031	2.106 +/- .063	4,200	16,800	22.0	2.14
MWH4SH-32	2	2.016 +/- .031	2.681 +/- .063	3,625	14,500	27.6	2.93

DIN EN 856 Impulse Test Requirement 400,000 cycles minimum at 133% WP and 212° F  
Maximum Abrasion Resistance (ISO 6945) 0.2 grams

TEST DOCUMENTATION

\*All assemblies listed have MxW Wing Series Quick Couplings added



<b>A</b> Aluminum <b>B</b> Brass <b>CI</b> Cast Iron <b>D</b> Ductile (Iron) <b>MI</b> Malleable Iron <b>P</b> Plated <b>S</b> Carbon Steel <b>Y</b> Poly <b>6</b> Stainless Steel		<b>Hose Shank Fittings</b> 		1/2"-10" use with LD or SL <b>A,B,D,Y,6</b>  <b>CAM...C</b> Coupler x Hose Shank	1/2"-10" use with LD or SL <b>A,B,D,Y,6</b>  <b>CAM...E</b> Adapter x Hose Shank	1/2"-12" use with LD or SL <b>KC...S</b>  <b>KC...S</b> KC Nipple (Black)	1/2"-12" use with LD or SL <b>P</b>  <b>KC...P</b> KC Nipple, Plated	1/2"-12" use with LD or SL <b>6</b>  <b>KC...6</b> KC Nipple, SS316																																						
1/2"-12" use with LD or SL  <b>KCG...S</b> KC Nipple, Grooved	1/2"-12" use with LD or SL  <b>KCBW...S</b> KC Nipple, Butt weld	1/2"-4" use with LD or SL  <b>KC...Y</b> KC Nipple, Poly	1"-8"  <b>LD...S</b> LD Ferrules	1"-8"  <b>SL...S</b> Crimp Sleeves	3"-8" use with NF <b>MI</b>  <b>IM206, IF206</b> Figure 206 Integral Male, Integral Female	2"-4" use with NF <b>MI</b>  <b>IM100, IF100</b> Figure 100 Integral Male, Integral Female	2"-12" use with NF <b>S,6</b>  <b>KCNFF150</b> Floating Flange	2"-12" use with NF <b>P</b>  <b>KCNFL150</b> Fixed Flange	2"-4" use with NF <b>P</b>  <b>KCN...P</b> KC Nipple Notched	2"-8" <b>P</b>  <b>NF...S</b> Notched Ferrule	2"-12" use with HD <b>P</b>  <b>KCHD</b> Heavy Duty Male Pipe Stem	2"-12" use with HD <b>P,6</b>  <b>KCHDBW</b> Heavy Duty Beveled Stem	2"-12" <b>P,6</b>  <b>HD...S</b> Heavy Duty Ferrules																																	
4"-12" use with clamps <b>P</b>  <b>BAM, BAF</b> Bauer Type A Male, Female	4"-12" use with clamps <b>P</b>  <b>BBM, BBF</b> Bauer Type B Male, Female	4"-12" use with ferrules, handles suction <b>P</b>  <b>BAHDM, BAHDF</b> Bauer HD Type A Male, Female	4"-12" use with ferrules, handles suction <b>P</b>  <b>BBHDM, BBHDF</b> Bauer HD Type B Male, Female	4"-10" <b>A</b>  <b>RLM, RLF</b> Ring Lock Male, Female	1.5"-6" use with spanner wrench <b>A,B,MI</b>  <b>PLM, PLF</b> Pin Lugs	3/8"-2" <b>A,B</b>  <b>CROWH, CROWHC</b> Crowsfoot, Crowsfoot Crimped																																								
3/4"-2" <b>MI,6</b>  <b>GJF, GJM</b> Ground Joint Couplings	<b>Camlocks</b>  Sizes 10 1" 40 4" 20 2" 60 6" 30 3" 80 8"		1/2"-10" <b>A,B,D,Y,6</b>  <b>CAM...A</b> Adapter x FP	1/2"-10" <b>A,B,D,Y,6</b>  <b>CAM...B</b> Coupler x MP	1/2"-10" <b>A,B,D,Y,6</b>  <b>CAM...D</b> Coupler x FP	1/2"-10" <b>A,B,D,Y,6</b>  <b>CAM...F</b> Adapter x MP	1"-8" <b>A,B,D,6</b>  <b>...DL-AL</b> Female Camlock x Flange																																							
1"-8" <b>A,B,D,6</b>  <b>...AL-AL</b> Male Camlock x Flange	1/2"-10" <b>A,B,D,Y,6</b>  <b>CAM...DC</b> Dust Cap	1/2"-10" <b>A,B,D,Y,6</b>  <b>CAM...DP</b> Dust Plug	<b>Strainers</b> 		1.5"-8" <b>CI</b>  <b>STR-FV...S</b> Foot Valve with Strainer	1.5"-8" <b>P,6</b>  <b>STR-RH, STR-SH</b> Round and Square Hole Strainers	1-1/2"-4" <b>P</b>  <b>STR-RHL...S</b> Long Round Strainer																																							
1.5"-3" <b>P</b>  <b>STR-BH, STR-TH</b> Bottom and Top Skimmers	1/2"-3" <b>Y</b>  <b>STR-PE...S</b> Polyethylene Strainer	3"-4" <b>P,6</b>  <b>STR-CONE, STR-PL</b> Witches Hat and Plate Strainer	1.5"-6"  <b>SIGHT...S-IN</b> Sight Glass	<b>Hammer Unions</b> 				CWP 1,000 psi  <b>Figure 100 Threaded</b> ASTM A105 N	<table border="1"> <thead> <tr> <th>SIZE</th> <th>ACME (TPI)</th> <th>WEIGHT lbs.</th> </tr> </thead> <tbody> <tr><td>2</td><td>3.5 MOD</td><td>5.75</td></tr> <tr><td>3</td><td>3 MOD</td><td>13.4</td></tr> <tr><td>4</td><td>3 MOD</td><td>19.85</td></tr> <tr><td>5</td><td>4 STD</td><td>33</td></tr> <tr><td>6</td><td>3 STD</td><td>46.25</td></tr> <tr><td>8</td><td>3 STD</td><td>61.8</td></tr> </tbody> </table>	SIZE	ACME (TPI)	WEIGHT lbs.	2	3.5 MOD	5.75	3	3 MOD	13.4	4	3 MOD	19.85	5	4 STD	33	6	3 STD	46.25	8	3 STD	61.8																
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CWP 2,000 psi  <b>Figure 200 Threaded</b> ASTM A105 N	CWP 2,000 psi  <b>Figure 206 Threaded</b> ASTM A105 N	<table border="1"> <thead> <tr> <th>SIZE</th> <th>ACME (TPI)</th> <th>WEIGHT lbs.</th> </tr> </thead> <tbody> <tr><td>1</td><td>6 STD</td><td>1.76</td></tr> <tr><td>1 1/4</td><td>6 STD</td><td>2.25</td></tr> <tr><td>1 1/2</td><td>4 STD</td><td>2.45</td></tr> <tr><td>2</td><td>4 STD</td><td>5.1</td></tr> <tr><td>2 1/2</td><td>4 STD</td><td>9.92</td></tr> <tr><td>3</td><td>4 STD</td><td>13.3</td></tr> <tr><td>4</td><td>3 MOD</td><td>18.55</td></tr> </tbody> </table>	SIZE	ACME (TPI)	WEIGHT lbs.	1	6 STD	1.76	1 1/4	6 STD	2.25	1 1/2	4 STD	2.45	2	4 STD	5.1	2 1/2	4 STD	9.92	3	4 STD	13.3	4	3 MOD	18.55	<table border="1"> <thead> <tr> <th>SIZE</th> <th>ACME (TPI)</th> <th>WEIGHT lbs.</th> </tr> </thead> <tbody> <tr><td>5</td><td>4 STD</td><td>33.25</td></tr> <tr><td>6</td><td>3 STD</td><td>43.25</td></tr> <tr><td>8</td><td>3 STD</td><td>61.7</td></tr> <tr><td>10</td><td>3 STD</td><td>90.75</td></tr> </tbody> </table>	SIZE	ACME (TPI)	WEIGHT lbs.	5	4 STD	33.25	6	3 STD	43.25	8	3 STD	61.7	10	3 STD	90.75	<b>Crimped Assembly Working Pressures</b>			
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ID (inch)	1	2	3	4	6	8	10	12																																						
Camlock (all metals)	250		200	150	75	50																																								
HD Bauer			290	174		50																																								
Flange Class 150	285 at max 100°F																																													

\* Figure 206 has an O-Ring for a better seal



<b>Crowsfoot Couplings</b> 	 <b>CROWM...</b> Crowsfoot x MP	 <b>CROWF...</b> Crowsfoot x FP	 <b>BC...</b> 2, 4, and 6 Bolt Clamp	 <b>CROWW, CROWSC</b> Washers, Safety Clips	 <b>WHIP CHECKS</b> Hose to Hose, Hose to Tool	<b>ANSI Flanges</b>  Class 150, 300, 400, 600, 900, 1500, 2500 Carbon, 304SS, 316SS
	 <b>FL150THR...</b> Threaded	 <b>FL150CRED...</b> Flange Reducer/Incraser	 <b>FL150CY...</b> Flange "Y"	 <b>FL150CTEE</b> Flange "T"	 <b>FL150C45...</b> Flange x Flange 45°	
<b>Grooved Nipples, Fittings &amp; Couplings</b>  Comparable to Victaulic & Gruvlok	 <b>S40BGG...</b> Groove x Groove	 <b>S40BGT</b> Groove x Threaded	 <b>S40BGP</b> Groove x Plain	 <b>GRVRA...</b> Reducing Adapter	 <b>GRVCAP...</b> Cap	 <b>GRVE45...</b> Elbow 45
	 <b>GRVE90...</b> Elbow 90	 <b>GRVTEE...</b> Tee	 <b>GRVRC</b> Standard Coupling	 <b>GRVQR</b> Quick Release	 <b>GRVFA...</b> Flange x Groove Adapter Class 125/150	 <b>BAUBMC-GRV...</b> Male Bauer x Groove

## Industrial Hose Assembly Nomenclature

**Hose Size**

- 04 1/4"
- 06 3/8"
- 08 1/2"
- 10 5/8"
- 12 3/4"
- 16 1"
- 20 1-1/4"
- 24 1-1/2"
- 32 2"
- 48 3"
- 64 4"
- 80 5"
- 96 6"
- 128 8"
- 160 10"
- 192 12"

**Ferrule/Clamp Type**

- SL Sleeve
- LD Light Duty Ferrule
- NF Notched Ferrule
- HD HD Ferrules
- CG Clamp Galvanized
- CS Clamp Stainless
- SC Spiral Clamp
- BC Boss Clamp
- DB Double Bolt

**Ferrule Size**

4750 4.750" ID  
Refer to Industrial Hose and Ferrule Best Fit guide for sizes

**Fitting Material #1**

- A Aluminum
- B Brass
- D Ductile
- Y Polypropylene
- P Plated
- C Carbon
- 6 SS316
- M Malleable Iron

*Some fitting types are only available in one material. For those we don't specify a material in the assembly nomenclature.*

**Protection**

- SW Spiral Wrap
- FS Fire Sleeve
- SG Spring Guard
- NS Nylon Sleeve
- GD Gray Layflat
- BD Blue Layflat
- RD Red Layflat
- VS Velcro Sleeve

**TVM (optional)**

- T Tested
- V Vault
- M Marked
- G Grounded

**TTC15064-LD4750-A64CAMC-A64CAME-SW-25FT-TVM**

**Hose Type**

TT150	CS	FARMTANK50
TTC150	GS	STEAMBK250
TTCRE150	FRACARC400	STEAMRD250
TT300	BLENDER300	PVCAIR300
TTC300	FBLENDER	MP300
TT500	WD2PLY	MP200
OVC150	WD4PLY	PVCSPRAY570
TTCLT150	DRY75L	PVCSPRAY800
TTR150	DRY75H	BD
CPE400	DRY150	GD
UHMWARC400	FUELDEL	REDHD
UHMW200	POTABLE	WARFLEX
UHMWC200	WATERJ1500	EDIBLEOIL
MPSARC	TEXCON800	PB
YW***	TEXWIRE1275	PW
HA150	SANDBL150	MILL
BRS150	MP500	MILLDJ
COHWS	PUSH300	BOOSTER800
LWG	LPG	
EPDMGS	FUELDEL250	

**Fitting Type** Alloys/Plating Default Materials Alternatives

KC KC Nipple	Black P 6 B Y A	IF100 Integral Female Figure 100	M
KCG KC Nipple, Grooved	Black 6	IM206 Integral Male Figure 206	M 6
KCBW KC Nipple, Butt weld	Black 6	IF206 Integral Female Figure 206	M 6
KCN Notched Male Pipe	P	PLM Pin Lug Male	A M B
KCNBW Notched Butt weld	P 6	PLF Pin Lug Female	A M B
CAMC Camlock, Type C Female	A B D 6 Y	IXM Internal Expansion Male Pipe	Black
CAME Camlock, Type E Male	A B D 6 Y	IXG Internal Expansion Grooved	Black
BAM Bauer Type A, Male	P	IXCB Internal Expansion California Stub	Black
BAF Bauer Type A, Female	P	HD Heavy Duty Male Pipe	P 6
BBM Bauer Type B, Male	P	HDB Heavy Duty Grooved	P 6
BBF Bauer Type B, Female	P	HDHW Heavy Duty Butt weld	P 6
BAHDM Bauer HD Type A, Male	P	FF150 Fixed Flange 150#	C 6 4 Y
BAHDF Bauer HD Type A, Female	P	FL150 Floating Flange 150#	C 6 4 Y
BBHDM Bauer HD Type B, Male	P	CROWH Crowsfoot Hose End	M B 6
BBHDF Bauer HD Type B, Female	P	CROWHC Crowsfoot Hose End Crimp-On	M
RLM Ring Lock Male	A	GJF Ground Joint Female	M B
RLF Ring Lock Female	A	GJM Ground Joint Male	M B
IM100 Integral Male Figure 100	M		

<ul style="list-style-type: none"> <li><b>A</b> Air</li> <li><b>C</b> Chemical</li> <li><b>F</b> Fracking</li> <li><b>F&amp;B</b> Food and Bev</li> <li><b>G&amp;W</b> Gas and Welding</li> <li><b>V</b> Ventilation</li> <li><b>O&amp;G</b> Oil and Gas</li> <li><b>MH</b> Material Handling</li> <li><b>LT</b> Low Temp</li> <li><b>S</b> Steam</li> <li><b>W</b> Water</li> <li><span style="border: 1px solid black; padding: 2px;">  </span> Primary Use</li> </ul>
--

# Locations Info

Account customers can rely on 24/7 phone and call out service.

## Southeast

**Lakeland, FL**  
4920 S Frontage Road  
Lakeland, FL 33815  
Phone (863) 777-4360  
lakeland@midwesthose.com

**Lafayette, LA**  
101 Burgess Drive  
Broussard, LA 70518  
Phone (337) 330-4035  
lafayette@midwesthose.com

**Lake Charles, LA**  
224 Prater Road  
Sulphur, LA 70663  
Phone (337) 240-9457  
lakecharles@midwesthose.com

**Pompano Beach, FL**  
1550 NW 18th, Ste. 612  
Pompano Beach, FL 33069  
Phone (954) 317-5889  
pompano@midwesthose.com

## Northeast

**Pittsburgh, PA**  
130 Southpointe Drive  
Bridgeville, PA 15017  
Phone (412) 257-6155  
pittsburgh@midwesthose.com

**Midwest Hose Layflat  
Subsidiary of Midwest Hose**  
844 East Columbus Ave  
Corry, PA 16407  
Phone (877) 277-9035

## Rockies

**Bakersfield, CA**  
3202 Pegasus Road  
Bakersfield, CA 93308  
Phone (661) 392-0491  
bakersfield@midwesthose.com

**Greeley, CO**  
600 31st, Unit 1  
Evans, CO 80620  
Phone (970) 330-1357  
greeley@midwesthose.com

**Dickinson, ND**  
2679 3rd Avenue West  
Dickinson, ND 58601  
Phone (701) 225-7861  
dickinson@midwesthose.com

**Williston, ND**  
3410 2nd Avenue West  
Williston, ND 58802  
Phone (701) 774-5330  
williston@midwesthose.com

**Salt Lake City, UT**  
2959 W. California Avenue  
Salt Lake City, UT 84101  
Phone (385) 231-1345  
slc@midwesthose.com

**Vernal, UT**  
1005 East 500 South  
Vernal, UT 84078  
Phone (435) 781-4760  
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