



# Snowmaking Solutions!



**Inline Filters**



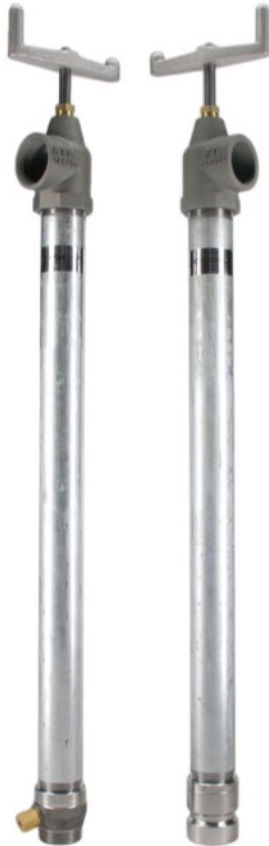
**Hose Couplings & Adapters**



**Niedner Snow Hose**



**High Pressure Wire Braid Hose**



**Hydrants**



**Hose Coupling Machines & Accessories**



**Electrical Pedestals**

HTM Fittings, Inc.  
4606 Neel Ct. NW  
Gig Harbor, WA 98335-8371 USA  
sales.us@htmgroup.com  
Tel: 1-877-HYDRANT (493-7268)

[www.htmgroup.com](http://www.htmgroup.com)

HTM Hydro-Tech Manufacturing Inc.  
1084 Richter Street  
Kelowna, BC V1Y 2K5 CANADA  
sales.ca@htmgroup.com  
Tel: 250-868-0767

**2016 EDITION**



## HTM SNOWMAKING WATER HYDRANTS

The **HTM H-Series and E-Series** Snowmaking Hydrants are self-draining hydrants designed specifically for snowmaking. Their unique valve design offers precise water pressure control. The valve will not vibrate open under flow conditions!

- All valve components are made of bronze and stainless steel for long life
- Available in 10 standard riser lengths from 30 cm (1 foot) to 300 cm (9.8 feet)
- Custom riser lengths are also available up to 400 cm (13.1 feet)
- Available with 90° outlet (standard) or 45° outlet (optional)
- Galvanized steel shaft extension and riser pipe
- Stainless steel operating shaft and solid stainless steel shaft pins
- Leak-proof graphite foil shaft seal packing
- Aluminum operating handle
- Removable valve assembly permits complete servicing through the top of the hydrant—exclusive to HTM
- Use with HTM's 750 PSI rated 1½, 2, or 2½ inch camlock hose adapters

### BEST LONG TERM INVESTMENT ON THE MARKET



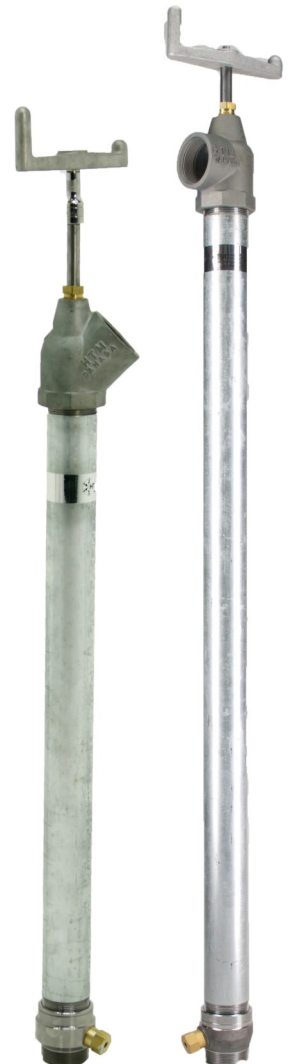
**H-Series**

#### **H-Series Hydrant**

- Best for deep buried installations
- Internally mounted drain valves
- 2000 PSI inlet pressure rating
- 1200 PSI discharge pressure rating
- 2" or 2½" inch size
- Male or Female inlet
- NPT or BSPT threads

#### **E-Series Hydrant**

- Best for surface installations
- Externally mounted drain valve
- 1500 PSI inlet pressure rating
- 1200 PSI discharge pressure rating
- 2" size only
- Male inlet
- NPT or BSPT threads



**E- Series**

**Victaulic® style inlet is also available**



## HTM ELECTRICAL PEDESTALS FOR FAN GUN ELECTRICAL SERVICE

### **HTM SEP-Series** Electrical Pedestals for fan gun electrical service

- Rugged Steel Construction
- For direct burial, wall-mount or post-mount applications
- Available in 3-pole and 4-pole configurations up to 600 Volts AC
- 2-piece construction for versatility and ease of installation
- Base Units are made to suit various supply cable sizes and configurations
- Head Units are available to suit the needs of your fan-gun system.
- Circuit breaker ratings from 30 Amp to 100 Amp –10kAIC to 20kAIC
- Receptacles available:
  - IEC 309-2 Pin & Sleeve (Hubbell) - 30 Amp, 60 Amp, 100 Amp
  - Interlocked Pin & Sleeve - 30 Amp, 60 Amp
  - Hubbell® Switched Pin & Sleeve - 30 Amp, 60 Amp
  - Appleton® Style Pin & Sleeve or Hubbellock® - 30 Amp, 60 Amp
- CSA Approved



**300 Amp Base**

#### **Base Units**

- 14 gauge galvanized steel enclosure
- Splitter box suitable for Cu or Al supply conductors
- 300 Amp & 400 Amp sizes—up to 600 Volts AC
- Lug configurations are available for feed-through and run-and-tap applications:
  - 2x350MCM, 2x600MCM
  - 3x250MCM, 3x350MCM
  - 4x300MCM, 4x350MCM, 4x600MCM
- Wall-mount or post-mount applications:
  - 14" & 18" heights available
- Direct Burial applications:
  - 36", 48" & 60" heights available



**400 Amp Base**



**Angled Head**



**Wall-mount Base**



**Single Head**

#### **Head Units**

- 16 gauge powder coated steel enclosure
- Standard color: Forest Green
- Lockable flip-up cover for circuit breaker security
- Single-outlet and double-outlet versions available
- Will fit any SEP-series base unit



**Double Head**





## HTM CAMLOCK ADAPTERS

Extruded Aluminum — Hard-Coat Anodized  
750 PSI Rated

### Type A

Male Coupler  
Female Thread



Size		Part no.
Coupler	Thread	NPT
1"	1"	CA1010-NT
1¼"	1¼"	CA1212-NT
1½"	1¼"	CA1512-NT
1½"	1½"	CA1515-NT
2"	1½"	CA2015-NT
2"	2"	CA2020-NT
2½"	2"	CA2520-NT
2½"	2½"	CA2525-NT

### Type F

Male Coupler  
Male Thread



Size		Part no.
Coupler	Thread	NPT
1"	1"	CF1010-NT
1¼"	1¼"	CF1212-NT
1½"	1½"	CF1515-NT
1½"	2"	CF1520-NT
2"	1½"	CF2015-NT
2"	2"	CF2020-NT
2"	2½"	CF2025-NT
2½"	2½"	CF2525-NT

### Type D

Female Coupler  
Female Thread



Size		Part no.
Coupler	Thread	NPT
1¼"	1¼"	CD1212-NT
1½"	1¼"	CD1512-NT
1½"	1½"	CD1515-NT
2"	1½"	CD2015-NT
2"	2"	CD2020-NT
2½"	2"	CD2520-NT
2½"	2½"	CD2525-NT

### Type B

Female Coupler  
Male Thread



Size		Part no.
Coupler	Thread	NPT
1¼"	1¼"	CB1212-NT
1½"	1½"	CB1515-NT
1½"	2"	CB1520-NT
2"	2"	CB2020-NT
2"	2½"	CB2025-NT
2½"	2½"	CB2525-NT

### Type DC

Dust Cap Female



Size	Part no.
1½"	CDC15
2"	CDC20
2½"	CDC25

### Type DP

Dust Plug Male



Size	Part no.
1½"	CDP15
2"	CDP20
2½"	CDP25

**ALSO AVAILABLE: BSPT, BSPP, NH & NPSH THREADS**

## HTM Camlock Adapter & Hose Coupling Features

**HTM Hose Couplings and Camlock Adapters** are lightweight, yet strong:

- Made from extruded aluminum alloy and hard-coat anodized for strength and durability.
- Precision-machined using modern CNC equipment.
- Camlock Fittings conform to MIL-C-27487, for compatibility with other brands.
- Rugged design to meet the demands of snowmaking.
- Cam Arms, Pins and Pull Rings are made of Stainless Steel for strength and durability.
- Standard Working Pressure Rating:
  - 750 PSI (1¼", 1½", 2" & 2½" sizes)



## HTM HOSE COUPLINGS

Extruded Aluminum — Hard-Coat Anodized  
750 PSI Rated

### CAM & GROOVE HOSE COUPLINGS

#### Type E (Male)



#### Type C (Female)



Size		Part Number	
Coupler	Hose Bowl	Male	Female
1½"	1.81" (46mm)	CHE1546	CHC1546
1½"	1.94" (49mm)	CHE1549	CHC1549
2"	1.81" (46mm)	CHE2046	CHC2046
2"	1.94" (49mm)	CHE2049	CHC2049
2"	2.28" (58mm)	CHE2058	CHC2058
2"	2.31" (59mm)	CHE2059	CHC2059
2"	2.38" (60mm)	CHE2060	CHC2060
2"	2.44" (62mm)	CHE2062	CHC2062
2½"	2.31" (59mm)	CHE2559	CHC2559
2½"	2.38" (60mm)	CHE2560	CHC2560

### THREADED HOSE COUPLINGS

#### Male NPT Thread







Size		Part Number
Threaded End	Hose Bowl	NPT Thread
1½"	1.81" (46mm)	CHT1546NT
1½"	1.94" (49mm)	CHT1549NT
2"	1.81" (46mm)	CHT2046NT
2"	1.94" (49mm)	CHT2049NT
2"	2.31" (59mm)	CHT2059NT
2"	2.38" (60mm)	CHT2060NT
2"	2.44" (62mm)	CHT2062NT

ALSO AVAILABLE IN BSPT THREAD

Hose Manufacturer / Type	Hose Size	Hose Bowl Size	Expansion Ring	Tail Gasket
Avalanche, Snowblaster	1½"	1.81" (46mm)	CER3832-1	CG15T-1
Niedner 1400, Niedner 2000	1½"	1.94" (49mm)	CER3832-1	CG15T-1
Growag	1½"	1.94" (49mm)	CER3832-1	CG15T-2
Svebab Snowtex HP	2"	2.28" (58mm)	CER4438-2	CG20T-3
Niedner 1400, Avalanche, Snow Blaster	2"	2.31" (59mm)	CER5038-1	CG20T-1
Niedner 2000	2"	2.38" (60mm)	CER5038-1	CG20T-1
Growag	2"	2.38" (60mm)	CER5038-1	CG20T-2
Others	2"	2.44" (62mm)	CER5038-1	CG20T-2

## Hose Fitting Replacement Parts

- **HTM Hose Fitting Parts** are compatible with many other brands.
- **HTM Cam Arms** - Stainless Steel to resist corrosion and designed to resist breakage.
- **HTM Cam Arm Pins & Pull Rings** - made of Stainless Steel to resist corrosion.
- Now Available - **HTM Extra Thick Camlock Face Gaskets** for couplings with a loose fit.
- See table on Page 5 for selection of Tail Gaskets & Expansion Rings

		Description	Part #
	Cam Arm Sets	Replacement Arm	CAM-ARM
		Replacement Ring	CAM-RING
		Replacement Pin	CAM-PIN
		(2) Arms, Pins & Rings	CAM-SET
	Face Gaskets	1½" Standard	CG15F-1
		1½" Thick	CG15F-3
		2" Standard	CG20F-1
		2" Thick	CG20F-3
		2½" Standard	CG25F-1
	Tail Gaskets	1½" Thin	CG15T-1
		1½" Thick	CG15T-2
		2" Thin	CG20T-1
		2" Thick	CG20T-2
		2" Single Jacket Hose	CG20T-3
	Expansion Rings	1½" Brass Expansion Ring	CER3832-1
		1¾" Brass Expansion Ring	CER4438-2
		2" Brass Expansion Ring	CER5038-1
		2½" Brass Expansion Ring	CER6238-1



## SPECIALTY FITTINGS & INLINE WATER FILTERS

### Drain Adapters



**HTM's** In-line Drain Adapters can be fitted to the snowgun, water hose or water hydrant to assist in drainage of the hose or snow gun. A drain valve and a ¼ NPT pressure gauge bushing are included, and they can be placed in either port of the adapter.



Female	Male	Part no.
1½"	1½"	CDA1515DP
1½"	2"	CDA1520DP
2"	2"	CDA2020DP

**ALSO AVAILABLE:  
BSPT, NH & NPSH THREADS**

Coupler	Thread	Part no.
1½"	1½"	CF1515DP
1½"	2"	CF1520DP
2"	2"	CF2020DP

### Pressure Test Couplings



**Type MF**

**HTM's** Type MF In-line Test Coupling can be installed between the hydrant, hose and snow gun, allowing snowmakers to monitor operating pressures in cases where the hydrant does not have a pressure test port. Use with a standard ¼ NPT pressure gauge, or connect the gauge using **CEJN** high-pressure test fittings.

Description	Part Number
1½" Male/Female Coupler, ¼" NPT Port	CMF1515G
2" Male/Female Coupler, ¼" NPT Port	CMF2020G

### Inline Water Filters

**HTM's CLF Series** Inline Filters are designed to provide protection to multi-nozzle fan guns and tower guns. The inline filter includes a rugged, heavy duty wedge-wire screen element capable of withstanding pressure differentials of 750 PSI. The screen traps solids outside, so it is easier to clean. Various inlet and outlet configurations are possible with this type of screen.

#### CLF Filter Housing & CDLF Filter Holder



- With Female NPSH inlet & Female NPSH outlet.
- Can be attached directly to snow gun or used with HTM Type F & Type B Camlock adapters to suit your application.
- Comes with a 3/8" NPT port for use with flush valve (valve not included)

#### CLS Screen



- Standard mesh sizes:
  - 30 mesh—0.024" (600 micron) opening
  - 60 mesh—0.010" (250 micron) opening
  - Custom mesh sizes also available

Size	Filter Holder	Filter Housing	Screen 30 Mesh	Screen 60 Mesh
1½"	CDLF15	CLF1515	CLS15-30	CLS15-60
2"	CDLF20	CLF2020	CLS20-30	CLS20-60



# **ELECTRICAL REPLACEMENT PARTS for SNOW GUN POWER CORDS & POWER PEDESTALS**

## **RECEPTACLES, CORD PLUGS AND CONNECTORS**



HBL460P7W



HBL21415B



HBL460C7W



HBL21414B



HBL460R7W



HBL20403

Description	Amps	Volts	Part #	Manufacturer
Cord Plug (Male)	30	600	HBL430P5W	Hubbell
	60	600	HBL460P5W	Hubbell
	30	480	HBL430P7W	Hubbell
	60	480	HBL460P7W	Hubbell
	60	600	HBL460PS2W	Hubbell
	60	600	HBL560PS1W	Hubbell
	30	600	HBL21415B	Hubbell
	60	600	HBL26419	Hubbell
Cord Connector (Female)	30	600	HBL430C5W	Hubbell
	60	600	HBL460C5W	Hubbell
	30	480	HBL430C7W	Hubbell
	60	480	HBL460C7W	Hubbell
	60	600	HBL460CS2W	Hubbell
	60	600	HBL560CS1W	Hubbell
	30	600	HBL21414B	Hubbell
	60	600	HBL26418	Hubbell
Receptacle	30	600	HBL430R5W	Hubbell
	60	600	HBL460R5W	Hubbell
	30	480	HBL430R7W	Hubbell
	60	480	HBL460R7W	Hubbell
	60	600	HBL460RS2W	Hubbell
	60	600	HBL560RS1W	Hubbell
	30	600	HBL20403	Hubbell
	60	600	HBL26410	Hubbell
Receptacle Cover for Item # 20403			HBL20405	Hubbell

## **HUBBELL REPLACEMENT COVERS, LOCKING RINGS, CONTACT ASSEMBLIES & CORD CLAMPS**



CA3430

CA3430

Amps/ Style	Hinged Cover Assembly	Cord Plug Locking Ring	Contact Pin Assembly	Contact Socket Assembly	Cord Clamp Kit
30 IEC	CA3430	LR3430	IN430DM	IN430DF	CC3430
30 S1 30 S2		ILR1	IN530MS1 IN430MS2	IN530FS1 IN430FS2	CC3430
60 IEC	CA60	LR60	IN460DM	IN460DF	CC60
60 S1 60 S2		ILR2 ILR3	IN560MS1 IN460MS2	IN560FS1 IN460FS2	CC60





## ELECTRICAL REPLACEMENT PARTS SWITCHED & INTERLOCKED UNITS



Description	Amps	Volts	Part #	Manufacturer
Switched Cord Connector	30	480	HBL S430C7W	Hubbell
	30	600	HBL S430C5W	Hubbell
	60	480	HBL S460C7W	Hubbell
	60	600	HBL S460C5W	Hubbell
Switched Receptacle	30	480	HBL S430R7W	Hubbell
	30	600	HBL S430R5W	Hubbell
	60	480	HBL S460R7W	Hubbell
	60	600	HBL S460R5W	Hubbell
Non-Fused Interlocked Receptacle	30	480	HBL 430MI7W	Hubbell
	30	600	HBL 430MI5W	Hubbell
	60	480	HBL 460MI7W	Hubbell
	60	600	HBL 460MI5W	Hubbell
	60	600	HBL 460MIS2W	Hubbell
Fused Interlocked Receptacle	30	480	HBL 430MIF7W	Hubbell
	30	600	HBL 430MIF5W	Hubbell
	30	600	HBL 430MIFS2W	Hubbell
	60	480	HBL 460MIF7W	Hubbell
	60	600	HBL 460MIF5W	Hubbell
	60	600	HBL 460MIFS2W	Hubbell

## REPLACEMENT PARTS

Amps/ Style	Interlock Flip Cover	Non-Fused Switch	Fused Switch
30 IEC	CA3430MI	HBL 30MIRS	HBL 30MIFRS
30 S2		30MISRS*	30MIFRS*
60 IEC	CA60MI	HBL DS60100RS	HBL 60MIFRS
60 S2		HBL 60MISRS	HBL 60MIFRS

\* Black style only. For gray style, use IEC version.



## HTM HOSE COUPLING MACHINES & ACCESSORIES



The **HTM CX300E Portable Hydraulic Coupling Machine** is now available for customers who want to recouple their own hoses on site.

The new **HTM CX300E Coupling Machine** features a simple design and is lightweight, dependable and affordable.

The unit is designed for 1" through 3" size HTM or other internal expansion hose couplings. The unit also accepts both HTM or Red Head expansion units.

**The HTM CX300E Coupling Machine** does not include the hydraulic pump. A bi-directional hydraulic pump is required.

### **Design Features**

- For attaching 1" through 3" internal expansion couplings
- Compact, lightweight and easily transported
- Automatic spring return at end of coupling cycle
- Average cycle time of 1 minute using a manual hydraulic pump
- For use with an external bi-directional hydraulic pump (not included)
- Enerpac® model P-84 or P-842 manual hydraulic pump recommended
- Electric-powered or pneumatic-powered bi-directional pumps can also be used
- For use with **HTM** or Red Head expansion units (sold separately)
- Simple, easy to use and the best value on the market
- Approximate dimensions: 20" x 7" x 9" high
- Weight: 33 lbs.

### **HTM Hose Coupling Expansion Units**

- Required for attaching **HTM**, Red Head or other internal expansion hose couplings
- For use with **HTM CX300 Series** Coupling Machines or with Red Head Brute machines
- Adapters are available for each expansion unit allow it to be used with both Cam & Groove and Threaded hose couplings - unique to **HTM**
- Heavy-duty drawbar construction resists breakage
- Available for use with 1½", 1¾" and 2" hoses





## SNOWMAKING HOSE

The Proven Performer– Niedner



The only hose designed specifically to meet your unique and demanding requirements. Its double jacket 800 PSIG (5600 kPa) test all polyester hose offers the highest operating safety margin available on the market today. Its Day-Glo yellow color enhances visibility under all climatic conditions. Half the weight of conventional snowmaking hoses, this hose remains flexible under extreme low temperatures.

**Construction:** Circular woven, double jacket 100% virgin spun polyester.  
**Liner:** Extruded T.P.U. elastomer - Ozone and age resistant.  
**Length:** 20' to 100' (6.1 to 30.5m).  
**Jacket Treatment:** ENCAP® encapsulation (yellow).  
Provides water repellency, abrasion, oil and chemical resistance.

### SNOW HOSE 2000® Features:

- Double jacket construction with 100% virgin spun polyester yarn in both jackets.
- Outside jacket treated with yellow ENCAP® elastomer
- Hose service temperature range from -60°F to 140°F (-51°C to 60°C).
- Minimum service test pressure of 400 PSIG (2800 kPa).
- Minimum proof test pressure of 800 PSIG (5600 kPa).

### SNOW HOSE 2000® SERIES SPECIFICATIONS

Hose Size	Weight / 50' Uncoupled	Test Pressure	Safety Margin	Designed Burst Pressure
1½"	13.5 LBS	800 PSI	1200 PSI	2000 PSI
2"	18 LBS	800 PSI	1200 PSI	2000 PSI



**Also available: SNOW HOSE OLYMPIAN® (1½" Size)**

### PARKER HARD RUBBER HOSE

Parker Stinger II High Pressure Wire Braid Multipurpose Oil Resistant Hose is designed for air, mild chemicals, oil and water in applications to 212°F and 1,000 PSI.

- Tube: Black nitrile for excellent oil resistance to 212°F.
- Reinforcement: One wire braid for flexibility, strength and durability to 1,000 PSI.
- Cover: Yellow nitrile/PVC for abrasion, flame, oil and weathering resistance; perforated.
- Couplings: Supplied with HTM couplings for a durable, safe and secure connection.



## PARKER HOSE FOR SNOWMAKING

Parker Stinger II High Pressure Wire Braid Multipurpose Oil Resistant Hose is designed for air, mild chemicals, oil and water in applications to 212°F and 1,000 PSI.

Parker's Series 7268E Stinger II Hose provides excellent service across multiple high pressure, standard duty applications. The hose is flexible for easy handling, crush resistant, and flame retardant to protect operators from fire hazards. The distinctive yellow nitrile/PVC cover is easily identified and resists abrasion, oil and weathering to provide maximum performance. Series 7268E is qualified with permanent crimp couplings for a safe and secure connection to provide robust service in challenging applications.



*Snowmaking Solutions!*

HTM Fittings, Inc.  
4606 Neel Ct. NW  
Gig Harbor, WA 98335-8371 USA  
[sales.us@htmgroup.com](mailto:sales.us@htmgroup.com)

HTM Hydro-Tech Manufacturing Inc.  
1084 Richter Street  
Kelowna, BC V1Y 2K5 Canada  
[sales.ca@htmgroup.com](mailto:sales.ca@htmgroup.com)

Website: [www.htmgroup.com](http://www.htmgroup.com)



Associate Member



Supplier Member

