

FORD INSIDE METER SETTINGS
(COPPERHORNS, KORNERHORNS, PLUMBHORNS, DROPHORNS,
PRETZELHORNS, BASEMENT RESETTERS AND WALLSETTERS)
SECTION B

B

TYPE OF INDOOR SETTER

PB = Plumbhorn - *for new services*
KH = Kornerhorn*
DH = Drophorn*
PH = Pretzelhorn*
KHVB = Kornerhorn* with Integral Ball Valve
KHVBH = Kornerhorn* with Integral Ball Valve and Single Check Valve
KHVBHH = Kornerhorn* with Integral Ball Valve and Cascading Dual Check Valve †
KHVBHC = Kornerhorn* with Integral Ball Valve and Cartridge Dual Check Valve †

*Requires removable Pack Joint assemblies to attach setter to existing service line (two per setter), ordered separately.

A = Meter Parallel to Service Line
B = Meter Perpendicular to Service Line

DROP (meter set below the service line)
18 = 18"
24 = 24"
30 = 30"
36 = 36"

METER SIZE
1 = 5/8"
2 = 5/8"x3/4"
3 = 3/4"
4 = 1"

Drophorn Information Only

D H - 2 A-24 - NL

C H 4 4 - 3 3 3 - G - NL

CH = Copperhorn
- *for new services*
VCH = Valve Copperhorn
- *for new services*

METER SIZE
1 = 5/8"
2 = 5/8"x3/4"
3 = 3/4"
4 = 1"

NO-LEAD

TYPES OF INLETS - OUTLETS (one end – other end)
1 = Female Iron Pipe Thread (double purpose on valve Copperhorns)
2 = Flare Copper Tube Nut
4 = Pack Joint for Plastic or Copper Tube* (CTS)
5 = Pack Joint for Iron Pipe
6 = Pack Joint for PE Pipe
7 = Pack Joint for PVC**/IPS PE Pipe
8 = Male Iron Pipe Threads
S = Solder Connection

SIZE OF INLETS - OUTLETS (one end – other end)
1 = 1/2"
2 = 5/8"
3 = 3/4"
4 = 1"

G = Grip Joint Options 3/4" - 2" CTS and 3/4" and 1" PEP
LS = Less Swivels with Swivel Nuts
Q = Quick Joint

* Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.
** Schedule 40 and 80 or DR9 and DR11 IPS PE

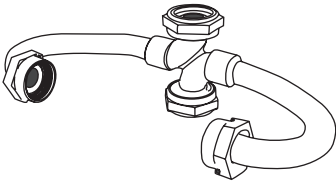
† Dual check valves are available with enhanced chlorine/chloramine resistant components. Add "CR" to the end of the alpha code.
Example: KHVBHHCR-x-NL

Note: Convex (male) double purpose ends are standard.
For concave (female) double purpose ends use prefix **CHFSW**xx-xxx-NL.

Note: See item listings in catalog section to ensure that desired sizes and options are available.

COPPERHORNS

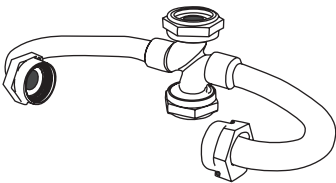
COPPERHORN FOR 5/8" METER



Copperhorn shown with union nuts, less swivels

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.	LIST PRICE
	ONE END	OTHER END			
CH11-111-NL	1/2" Female Iron Pipe	1/2" Female Iron Pipe	3.0	10	\$ 141.72
CH11-133-NL	3/4" Female Iron Pipe	3/4" Female Iron Pipe	3.0	10	141.72
CH11-133-LS-NL	Less Swivel w/Union Nut	Less Swivel w/Union Nut	2.6	10	118.62
CH11-144-NL	1" Female Iron Pipe	1" Female Iron Pipe	4.0	10	181.42
CH18-111-NL	1/2" Female Iron Pipe	1/2" Male Iron Pipe	3.2	10	141.72
CH18-133-NL	3/4" Female Iron Pipe	3/4" Male Iron Pipe	3.1	10	141.72
CH18-134-NL	3/4" Female Iron Pipe	1" Male Iron Pipe	3.2	-	148.95
CH18-143-NL	1" Female Iron Pipe	3/4" Male Iron Pipe	3.6	10	161.62
CH18-144-NL	1" Female Iron Pipe	1" Male Iron Pipe	3.8	-	168.81
* CH84-133-NL	3/4" Male Iron Pipe	3/4" Pack Joint CTS*	3.5	10	162.42
CH88-133-NL	3/4" Male Iron Pipe	3/4" Male Iron Pipe	3.2	10	141.72
CH88-143-NL	1" Male Iron Pipe	3/4" Male Iron Pipe	3.3	10	148.95
CH88-144-NL	1" Male Iron Pipe	1" Male Iron Pipe	3.3	10	156.31
○ CH8S-133-NL	3/4" Male Iron Pipe	3/4" Solder	3.1	-	141.72
○ CHSS-133-NL	3/4" Solder	3/4" Solder	3.1	10	141.72
○ CHSS-144-NL	1" Solder	1" Solder	3.0	10	156.31

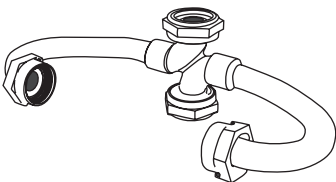
COPPERHORN FOR 5/8" x 3/4" METER



Copperhorn shown with union nuts, less swivels

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.	LIST PRICE
	ONE END	OTHER END			
CH11-211-NL	1/2" Female Iron Pipe	1/2" Female Iron Pipe	3.1	3	\$ 149.20
CH11-233-NL	3/4" Female Iron Pipe	3/4" Female Iron Pipe	3.2	10	149.20
CH11-233-LS-NL	Less Swivel w/Union Nut	Less Swivel w/Union Nut	2.8	10	126.01
CH11-243-NL	1" Female Iron Pipe	3/4" Female Iron Pipe	3.7	10	169.01
CH11-244-NL	1" Female Iron Pipe	1" Female Iron Pipe	4.1	10	188.90
CH18-211-NL	1/2" Female Iron Pipe	1/2" Male Iron Pipe	3.3	10	149.20
CH18-233-NL	3/4" Female Iron Pipe	3/4" Male Iron Pipe	3.3	10	149.20
CH18-234-NL	3/4" Female Iron Pipe	1" Male Iron Pipe	3.4	10	156.51
CH18-243-NL	1" Female Iron Pipe	3/4" Male Iron Pipe	3.1	-	169.01
CH18-244-NL	1" Female Iron Pipe	1" Male Iron Pipe	4.1	6	176.32
* CH44-233-NL	3/4" Pack Joint CTS*	3/4" Pack Joint CTS*	4.0	10	190.48
CH44-233-SQ-NL	3/4" Quick Joint Swivel	3/4" Quick Joint Swivel	4.8	10	190.48
CH88-233-NL	3/4" Male Iron Pipe	3/4" Male Iron Pipe	3.4	10	149.20
CH88-243-NL	1" Male Iron Pipe	3/4" Male Iron Pipe	3.5	-	156.51
CH88-244-NL	1" Male Iron Pipe	1" Male Iron Pipe	3.5	10	163.77
○ CH8S-233-NL	3/4" Male Iron Pipe	3/4" Solder	3.3	-	149.20
○ CH8S-243-NL	1" Male Iron Pipe	3/4" Solder	3.4	10	156.51
○ CHSS-211-NL	1/2" Solder	1/2" Solder	3.4	-	149.20
○ CHSS-233-NL	3/4" Solder	3/4" Solder	3.3	10	149.20
○ CHSS-244-NL	1" Solder	1" Solder	3.2	10	163.73

COPPERHORN FOR 3/4" METER



Copperhorn shown with union nuts, less swivels

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.	LIST PRICE
	ONE END	OTHER END			
CH11-311-NL	1/2" Female Iron Pipe	1/2" Female Iron Pipe	3.2	6	\$ 168.92
CH11-333-NL	3/4" Female Iron Pipe	3/4" Female Iron Pipe	3.3	10	168.92
CH11-333-LS-NL	Less Swivel w/Union Nut	Less Swivel w/Union Nut	2.9	10	145.75
CH11-343-NL	1" Female Iron Pipe	3/4" Female Iron Pipe	3.7	-	188.88
CH11-344-NL	1" Female Iron Pipe	1" Female Iron Pipe	4.2	6	208.68
CH18-333-NL	3/4" Female Iron Pipe	3/4" Male Iron Pipe	3.4	6	168.92
CH18-334-NL	3/4" Female Iron Pipe	1" Male Iron Pipe	3.4	-	176.28
CH18-344-NL	1" Female Iron Pipe	1" Male Iron Pipe	3.9	6	196.19
○ CH1S-344-NL	1" Female Iron Pipe	1" Solder	3.3	-	196.19
* CH44-333-NL	3/4" Pack Joint CTS*	3/4" Pack Joint CTS*	4.1	10	210.31
CH82-333-NL	3/4" Male Iron Pipe	3/4" Flared Copper	3.3	-	182.55
CH88-333-NL	3/4" Male Iron Pipe	3/4" Male Iron Pipe	3.4	10	168.92
CH88-343-NL	1" Male Iron Pipe	3/4" Male Iron Pipe	3.5	10	176.28
CH88-344-NL	1" Male Iron Pipe	1" Male Iron Pipe	3.6	10	183.59
○ CH8S-333-NL	3/4" Male Iron Pipe	3/4" Solder	3.8	-	168.92
○ CHSS-333-NL	3/4" Solder	3/4" Solder	3.3	10	168.92
○ CHSS-343-NL	1" Solder	3/4" Solder	3.3	10	176.28
○ CHSS-344-NL	1" Solder	1" Solder	3.3	10	183.59

All 5/8", 5/8"x3/4" and 3/4" CHxx-xxx Copperhorns are standard with male double purpose ends (convex). For female double purpose (concave) ends, use prefix **CHFSWxx-xxx**.

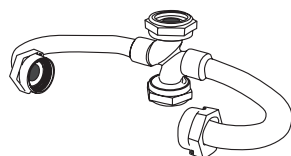
* **Grip Joint** for CTS is available by inserting "-G" into the catalog number. Example: CH44-233-G-NL

○ **Attention:** Special solder and procedures are required for best results. Contact factory or see website for installation instructions.

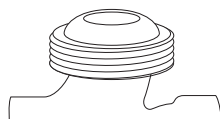
NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

COPPERHORNS CONTINUED**COPPERHORN FOR 1" METER**

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.	LIST PRICE
	ONE END	OTHER END			
CH11-444-NL	1" Female Iron Pipe	1" Female Iron Pipe	6.2	5	\$ 263.73
CH11-444-LS-NL	Less Swivel w/Union Nut	Less Swivel w/Union Nut	5.6	5	226.54
CH11-455-NL	1-1/4" Female Iron Pipe	1-1/4" Female Iron Pipe	7.7	5	338.88
CH18-444-NL	1" Female Iron Pipe	1" Male Iron Pipe	6.3	5	263.73
○ CH1S-444-NL	1" Female Iron Pipe	1" Solder	6.1	5	263.73
CH88-444-NL	1" Male Iron Pipe	1" Male Iron Pipe	6.5	5	263.73
CH88-454-NL	1-1/4" Male Iron Pipe	1" Male Iron Pipe	6.7	5	278.43
CH88-455-NL	1-1/4" Male Iron Pipe	1-1/4" Male Iron Pipe	6.9	5	292.82
○ CH8S-444-NL	1" Male Iron Pipe	1" Solder	6.3	5	263.73
○ CHSS-444-NL	1" Solder	1" Solder	6.2	5	263.73

PARTS FOR COPPERHORN WITH CONVEX ENDS FOR 5/8", 5/8" x 3/4" AND 3/4" METERS (STYLE CHxx-xxx-NL)

Copperhorn shown with union nuts, less swivels

Convex body end(s)
(for style CHxx-xxx-NL
and VCHxx-xxx-NL)
shown above

CATALOG NUMBER	DESCRIPTION	APPROX. WT. LBS.	LIST PRICE
CSS1-31-NL	1/2" Female Iron Pipe Thread Swivel Only	0.2	\$ 11.59
CSS8-31-NL	1/2" Male Iron Pipe Thread Swivel Only	0.3	11.59
○ CSSS-31-CR-NL	1/2" Solder Swivel Only	0.2	20.57
CSS1-33-NL	3/4" Female Iron Pipe Thread Swivel Only	0.2	11.59
CSS8-33-NL	3/4" Male Iron Pipe Thread Swivel Only	0.3	11.59
○ CSSS-33-CR-NL	3/4" Solder Swivel Only	0.2	11.59
CSS4-33-NL	3/4" CTS Pack Joint Swivel Only (w/ PJ nut)	0.6	32.28
CSS4-33-G-NL	3/4" CTS Grip Joint Swivel Only (w/ GJ nut)	0.6	32.28
CSS8-34-NL	1" Male Iron Pipe Thread Swivel Only	0.4	18.61
○ CSSS-34-CR-NL	1" Solder Swivel Only	0.2	18.61
CSUN-3	Union Nut Only	0.2	9.06
CSSUN1-33-NL	3/4" Female Swivel and Union Nut Assembly	0.4	20.65
CSSUN1-34-NL	1" FIP Swivel and Union Nut Assembly for 3/4" Copperhorn	0.9	39.70
CSSUN4-33-NL	3/4" CTS Pack Joint Swivel and Union Nut Assembly	0.9	43.89
CSSUN4-33-Q-NL	3/4" CTS Quick Joint Swivel and Union Nut Assembly	1.2	43.89
CSSUN4-34-NL	1" CTS Pack Joint Swivel and Union Nut Assembly for 3/4" Copperhorn	1.3	69.69
CSSUN4-34-Q-NL	1" CTS Quick Joint Swivel and Union Nut Assembly for 3/4" Copperhorn	1.4	69.69
CSSUN8-33-NL	3/4" Male Iron Pipe Thread Swivel Only	0.5	20.65
CSSUN8-34-NL	1" Male Iron Pipe Thread Swivel Only	0.6	39.70
CSA4-33-Q-NL	3/4" CTS Quick Joint Adapter for 3/4" Double Purpose Nose	0.9	46.92
CSA7-33-NL	3/4" Pack Joint for PVC/IPS PE Adapter for 3/4" Double Purpose	1.0	71.39
HHSCS8-333-NL	3/4" Dual Check Valve with Valve Copperhorn Union Swivel Inlet and 3/4" MIP Outlet (unit attaches directly to Copperhorn body)	1.8	163.98
GT-205	3/4" Composition Gasket for Double Purpose Connection	-	2.54

PARTS FOR COPPERHORN WITH CONCAVE ENDS FOR 5/8", 5/8" X 3/4" AND 3/4" METER (STYLE CHFSWxx-xxx-NL)Concave body end(s)
(for style CHFSWxx-xxx-NL)
shown above

CATALOG NUMBER	DESCRIPTION	APPROX. WT. LBS.	LIST PRICE
CSUN-3	Union Nut Only	0.2	\$ 9.06
CHS8-31-NL	1/2" Male Iron Pipe Thread Swivel Only	0.15	11.59
CHS1-31-NL	1/2" Female Iron Pipe Thread Swivel Only	0.15	11.59
○ CHSS-31-NL	1/2" Solder Swivel Only	0.15	11.59
CHS8-33-NL	3/4" Male Iron Pipe Thread Swivel Only	0.3	11.59
CHS1-33-NL	3/4" Female Iron Pipe Thread Swivel Only	0.2	11.59
○ CHSS-33-NL	3/4" Solder Swivel Only	0.2	11.59
CHS8-34-NL	1" Male Iron Pipe Thread Swivel Only	0.4	18.61
○ CHSS-34-NL	1" Solder Swivel Only	0.2	18.61
CHSUN1-34-NL	1" Female Iron Pipe Thread Swivel with Union Nut (assembly)	0.9	39.70
CHS2-33-NL	3/4" Swivel and Flare Nut for Flared Copper Connection	1.0	36.28
* CHS4-33-NL	3/4" CTS Pack Joint Swivel (less union nut)*	0.7	32.28
WR-3-NL	3/4" Wedding Ring Only	-	6.89
HHSCH8-333-NL	3/4" Dual Check Valve with Copperhorn Union Swivel Inlet and 3/4" MIP Outlet (unit attaches directly to Copperhorn body)	1.8	163.99

COPPERHORN PARTS FOR 1" METER

CATALOG NUMBER	DESCRIPTION	APPROX. WT. LBS.	LIST PRICE
CSUN-4	Union Nut Only	0.4	\$ 14.54
CSS8-44-NL	1" Male Swivel Only	0.5	18.61
CSS1-44-NL	1" Female Swivel Only	0.3	18.61
○ CSSS-44-CR-NL	1" Solder Swivel Only	0.3	18.61
CSS8-45-NL	1-1/4" Male Swivel Only	0.7	33.22
CSSUN1-44-NL	1" Female Swivel and Union Nut Assembly	0.7	33.12
CSSUN1-45-AWT-NL	1-1/4" Female Swivel with Union Nut Assembly	1.4	70.43
CSSUN8-44-NL	1" Male Iron Pipe Thread Swivel Only	0.9	33.12
WR-4-NL	1" Wedding Ring Only	-	7.99
CSA4-44-Q-NL	1" Quick Joint (CTS) Adapter (non-swivel)	1.4	78.54
GT-206	1" Composition Gasket for Double Purpose Connection	-	3.41

* Grip Joint for CTS is available by inserting "-G" into the catalog number. Example: CH44-233-G-NL

○ Attention: Special solder and procedures are required for best results. Contact factory or see website for installation instructions.

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

VALVE COPPERHORNS

VALVE COPPERHORN FOR 5/8" METER

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.	LIST PRICE
	ONE END	VALVE END			
VCH11-133-NL	3/4" Double Purpose	3/4" Double Purpose	3.9	-	\$ 239.50
VCH18-133-NL	3/4" Double Purpose	3/4" Male Iron Pipe	4.0	10	239.50
VCH81-133-NL	3/4" Male Iron Pipe	3/4" Double Purpose	4.3	-	239.50
VHC18-134-NL	3/4" Double Purpose	1" Male Iron Pipe	-	-	P.O.A.
○ VCHSS-133-NL	3/4" Solder	3/4" Solder	3.9	10	239.50

VALVE COPPERHORN FOR 5/8" X 3/4" METER

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.	LIST PRICE
	ONE END	VALVE END			
VCH11-211-NL	1/2" Female Iron Pipe	1/2" Female Iron Pipe	4.0	10	\$ 246.86
VCH11-233-NL	3/4" Double Purpose	3/4" Double Purpose	4.0	-	246.86
VCH11-233-LS-NL	Less Swivel w/Nut	Less Swivel w/Nut	3.8	-	223.70
VCH18-233-NL	3/4" Double Purpose	3/4" Male Iron Pipe	4.1	-	246.86
VCH18-234-NL	3/4" Double Purpose	1" Male Iron Pipe	4.2	-	254.19
VCH88-233-NL	3/4" Male Iron Pipe	3/4" Male Iron Pipe	4.2	-	246.86
VCH88-243-NL	1" Male Iron Pipe	3/4" Male Iron Pipe	4.3	-	254.19
VCH88-244-NL	1" Male Iron Pipe	1" Male Iron Pipe	4.4	-	261.35
○ VCHSS-233-NL	3/4" Solder	3/4" Solder	4.2	-	246.86

VALVE COPPERHORN FOR 3/4" METER

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.	LIST PRICE
	ONE END	VALVE END			
VCH11-333-NL	3/4" Double Purpose	3/4" Double Purpose	4.1	-	\$ 266.46
○ VCHSS-333-NL	3/4" Solder	3/4" Solder	4.2	-	266.46

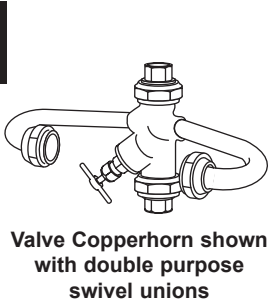
PARTS FOR VALVE COPPERHORNS

CATALOG NUMBER	DESCRIPTION	APPROX. WT. LBS.	LIST PRICE
CSUN-3	Union Nut Only	0.2	\$ 9.06
CSS8-31-NL	1/2" Male Swivel Only	0.3	11.59
CSS1-31-NL	1/2" Female Swivel Only	0.2	11.59
CSS8-33-NL	3/4" Male Swivel Only	0.3	11.59
CSS1-33-NL	3/4" Female Swivel Only	0.2	11.59
○ CSSS-33-CR-NL	3/4" Solder Swivel Only	0.2	11.59
* CSS4-33-NL	3/4" CTS Pack Joint Swivel (less union nut)*	0.6	32.28
CSSUN4-33-NL	3/4" CTS Pack Joint Swivel and Union Nut Assembly	0.9	43.89
CSSUN4-33-Q-NL	3/4" CTS Quick Joint Swivel and Union Nut Assembly (with Quick Joint nut)	1.2	43.89
CSSUN4-34-NL	1" CTS Pack Joint Swivel and Union Nut Assembly	1.3	69.69
CSSUN4-34-Q-NL	1" CTS Quick Joint Swivel and Union Nut Assembly (with Quick Joint nut)	1.4	69.69
CSS8-34-NL	1" Male Swivel Only	0.4	18.61
○ CSSS-34-CR-NL	1" Solder Swivel Only	0.2	18.61
CSSUN1-34-NL	1" Female Swivel and Union Nut Assembly	0.9	39.70
HHSCS8-333-NL	3/4" Dual Check Valve with Valve Copperhorn Union Swivel Inlet and 3/4" MIP Outlet (unit attaches directly to Copperhorn body)	1.8	163.98
CSA4-33-Q-NL	3/4" CTS Quick Joint Adapter for 3/4" Double Purpose Nose (non-swivel)	0.9	46.92

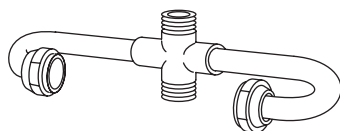
* Grip Joint for CTS is available by inserting "-G" into the catalog number. Example: CSS4-33-G-NL

○ **Attention:** Special solder and procedures are required for best results. Contact factory or see website for installation instructions.

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.



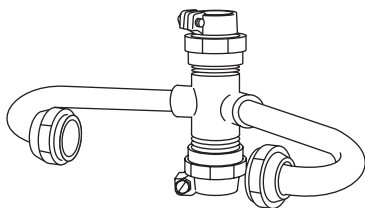
PLUMBHORNS



CATALOG NUMBER	METER SIZE	APPROX. WT. LBS.	STD. PKG. QTY.	LIST PRICE
PB-1-NL	5/8"	1.9	-	\$ 104.12
PB-2-NL	5/8"x3/4"	2.0	10	112.13
PB-3-NL	3/4"	2.1	-	136.32

HANDYHORNS

SETTERS WITH INTEGRAL INLET - OUTLET PACK JOINT CONNECTIONS



Handyhorn shown with Pack Joint assemblies for copper tubing or plastic (CTS)

CATALOG NUMBER	METER SIZE	SIZE AND TYPE OF EXISTING PIPE	APPROX. WT. LBS.	STD. PKG. QTY.	LIST PRICE
HH1-15-NL	5/8"	1/2" Iron Pipe	2.2	10	\$ 138.26
HH1-35-NL	5/8"	3/4" Iron Pipe	2.3	-	142.70
♦ HH1-14-NL	5/8"	1/2" Copper Tubing	2.2	10	138.26
♦ HH1-34-NL	5/8"	3/4" Copper Tubing*	2.3	10	142.70
HH2-15-NL	5/8" x 3/4"	1/2" Iron Pipe	2.3	10	144.86
HH2-35-NL	5/8" x 3/4"	3/4" Iron Pipe	2.4	10	149.77
♦ HH2-14-NL	5/8" x 3/4"	1/2" Copper Tubing	2.4	10	144.86
♦ HH2-34-NL	5/8" x 3/4"	3/4" Copper Tubing*	2.4	10	149.77
HH2-44-NL	5/8" x 3/4"	1" Copper Tubing*	2.6	10	190.20
HH3-35-NL	3/4"	3/4" Iron Pipe	2.5	10	160.78
♦ HH3-34-NL	3/4"	3/4" Copper Tubing*	2.5	10	160.78

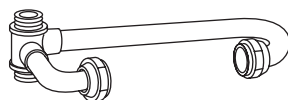
♦ Quick Joint is available by inserting "-Q" into the catalog number. Example: HH2-14-Q-NL

* Grip Joint is available by inserting "-G" into the catalog number. Example: HH2-14-G-NL

NOTE: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

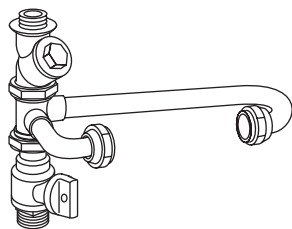
KORNERHORNS

KORNERHORNS ONLY - WITHOUT SERVICE LINE CONNECTIONS



CATALOG NUMBER	METER SIZE	APPROX. WT. LBS.	STD. PKG. QTY.	LIST PRICE
KH-1-NL	5/8"	1.9	25	\$ 111.35
KH-2-NL	5/8" x 3/4"	2.1	25	117.55
KH-3-NL	3/4"	2.1	20	130.35
KH-4-NL	1"	4.0	8	247.83

DETACHABLE VALVES - FOR KORNERHORNS

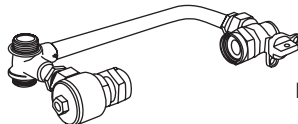


Kornerhorn with optional detachable valves

CATALOG NUMBER	DESCRIPTION	APPROX. WT. LBS.	STD. PKG. QTY.	LIST PRICE
Valves for KH-1, KH-2 and KH-3				
KH-VALVE-1-NL	Compression Kornerhorn Valve	1.4	6	\$ 100.05
KHBV-1-NL	Ball Valve for 3/4" Kornerhorn	1.3	12	97.49
KHBV-1D-NL	Ball Valve for 3/4" Kornerhorn with Drain	1.5	-	122.81
KHBV-1HB-2-NL	Ball Valve for 3/4" Kornerhorn with HB-2 Handle	1.5	8	107.03
KHCV-1-NL	Kornerhorn Check Valve	1.2	10	75.59
† KHHCV-1-NL	Kornerhorn Cascading Dual Check Valve	1.7	8	167.49
† KHHCV-1D-NL	Kornerhorn Cascading Dual Check Valve with Drain	1.9	-	192.05
† KH-HHCH-1-NL	In-Line Accessible Cartridge Style Kornerhorn Dual Check Valve	1.9	4	186.40
† KH-HHCH-1D-NL	In-Line Accessible Cartridge Style Kornerhorn Dual Check Valve with Drain	2.0	4	211.29
Valves for KH-4				
KH-VALVE-4-NL	1" Kornerhorn Compression Valve	2.1	5	\$ 163.39
B81-455-NL	1" Kornerhorn Ball Valve	2.2	4	251.49
B81-455-HB-34-NL	1" Kornerhorn Ball Valve with HB-34 Handle	2.5	-	262.10

Note: Detachable items will ship packaged separately.

Note: Catalog section I describes single, dual and cartridge style dual check valves.



Kornerhorn with integral angle ball valve and angle dual check valve

KORNERHORNS WITH INTEGRAL VALVES - VALVES ASSEMBLED TO COPPER TUBING* FOR 5/8" METERS

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	LIST PRICE	CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	LIST PRICE
	INLET VALVE	OUTLET VALVE				INLET VALVE	OUTLET VALVE		
KHVB-1-NL	Ball	None	3.1	\$ 241.68	KHVB-2-NL	Ball	None	3.0	\$ 252.49
KHVBH-1-NL	Ball	Single Check	4.1	358.64	KHVBH-2-NL	Ball	Single Check	4.3	369.39
† KHVBHH-1-NL	Ball	Cascading Dual Check	4.3	433.91	† KHVBHH-2-NL	Ball	Cascading Dual Check	4.1	444.61
† KHVBHC-1-NL	Ball	Cartridge Dual Check	4.4	449.85	† KHVBHC-2-NL	Ball	Cartridge Dual Check	4.3	460.66
KHH-1-NL	None	Single Check	3.3	237.35	KHH-2-NL	None	Single Check	3.3	243.35
† KHHH-1-NL	None	Cascading Dual Check	3.3	312.60	† KHHH-2-NL	None	Cascading Dual Check	3.1	318.64
† KHHC-1-NL	None	Cartridge Dual Check	3.3	328.59	† KHHC-2-NL	None	Cartridge Dual Check	3.3	334.74

Note: The inlet operating valve on single valve units is assembled on the short tube unless otherwise specified. This configuration will place the meter to the left of the plumbing as water flows up into the Kornerhorn. Units with check valve are assembled with check valve on the short tube unless otherwise specified. This configuration will place the meter to the right of the plumbing as water flows up into the Kornerhorn.

† Dual check valves are available with enhanced chlorine/chloramine resistant components. Add "CR" to the end of the alpha code.

Example: KHHCVCR-1-NL

Add to price for cartridge style \$39.02

Add to price for cascading style \$19.04

* Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

PACK JOINT ASSEMBLIES FOR KH-1, KH-2 AND KH-3 KORNERHORNS (TWO REQUIRED PER KORNERHORN) ■

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.	LIST PRICE
	SIZE AND TYPE OF EXISTING PIPE	PACK JOINT ASSEMBLY REQUIRED			
◆ PJA4-11-NL	1/2" Copper or Plastic Tube	1/2" P. J. for (CTS)	0.5	25	\$ 31.63 ea.
◆ PJA4-13-NL	3/4" Copper or Plastic Tube	3/4" P. J. for (CTS)	0.5	25	28.72 ea.
PJA4-14-NL	1" Copper or Plastic Tube	1" P. J. for (CTS)	0.8	20	36.06 ea.
• PJA4-15-PJA6-14-NL	1-1/4" Copper or Plastic Tube	1-1/4" P. J. for (CTS)	2.3	10	65.64 ea.
* PJA4-16-AWT-NL	1-1/2" Copper or Plastic Tube	1-1/2" P. J. for (CTS)	2.3	4	141.71 ea.
PJA5-11-NL	1/2" Iron Pipe	1/2" P. J. for Iron Pipe	0.5	30	26.70 ea.
PJA5-13-NL	3/4" Iron Pipe	3/4" P. J. for Iron Pipe	0.5	25	28.72 ea.
PJA5-14-NL	1" Iron Pipe	1" P. J. for Iron Pipe	1.0	10	49.94 ea.
PJA5-15-NL	1-1/4" Iron Pipe	1-1/4" P. J. for Iron Pipe	1.4	-	105.43 ea.
* PJA5-16-AWT-NL	1-1/2" Iron Pipe	1-1/2" P. J. for Iron Pipe	2.3	-	147.43 ea.
PJA6-13-NL	3/4" Polyethylene Pipe	3/4" P. J. for P.E. Pipe	0.6	20	38.20 ea.
• PJA4-15-PJA6-14-NL	1" Polyethylene Pipe	1" P. J. for P.E. Pipe	1.1	10	65.64 ea.
* PJA6-15-AWT-NL	1-1/4" Polyethylene Pipe	1-1/4" P. J. for P.E. Pipe	2.0	-	119.10 ea.
* PJA6-16-IDRT-AWT-NL	1-1/2" Polyethylene Pipe	1-1/2" P. J. for P.E. Pipe	3.2	-	164.79 ea.
PJA7-11-NL	1/2" PVC/IPS PE Pipe	1/2" P. J. for PVC/IPS PE Pipe	0.6	-	30.70 ea.
PJA7-13-NL	3/4" PVC/IPS PE Pipe	3/4" P. J. for PVC/IPS PE Pipe	0.7	22	36.72 ea.
PJA7-14-NL	1" PVC/IPS PE Pipe	1" P. J. for PVC/IPS PE Pipe	1.2	10	68.48 ea.
PJA7-15-NL	1-1/4" PVC/IPS PE Pipe	1-1/4" P. J. for PVC/IPS PE Pipe	1.7	8	124.21 ea.
* PJA7-16-AWT-NL	1-1/2" PVC/IPS PE Pipe	1-1/2" P. J. for PVC/IPS PE Pipe	2.3	-	174.04 ea.

Grip Joint for CTS (3/4"-2") and PEP (3/4" and 1") can be ordered by inserting "-G" into the catalog number.

Example: PJA4-13-G-NL

◆ Quick Joint is available by inserting "-Q" into the catalog number. Example: PJA4-13-Q-NL

* These items are not one piece but are two adapter pieces assembled watertight.

• This Pack Joint assembly is for use on 1-1/4" copper or plastic tubing (CTS) or 1" PE pipe.

Note: Insert stiffeners are listed on page 2 of section J.

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

PACK JOINT ASSEMBLIES FOR KH-4 KORNERHORN (TWO REQUIRED PER KORNERHORN) ■

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.	LIST PRICE
	SIZE AND TYPE OF EXISTING PIPE	P.J. ASSEMBLY REQUIRED			
◆ PJA4-44-C14-54-NL	1" Copper or Plastic Tube	1" P. J. for (CTS)	0.9	12	\$ 54.87 ea.
◆ PJA4-45-C14-55-NL	1-1/4" Copper or Plastic Tube	1-1/4" P. J. (CTS)	1.3	10	93.47 ea.
PJA4-46-C14-56-NL	1-1/2" Copper or Plastic Tube	1-1/2" P. J. (CTS)	1.8	10	116.90 ea.
PJA5-44-C15-54-NL	1" Iron Pipe	1" P. J. for Iron Pipe	1.1	10	62.76 ea.
PJA5-45-C15-55-NL	1-1/4" Iron Pipe	1-1/4" P. J. for Iron Pipe	1.4	8	77.08 ea.
PJA5-46-C15-56-NL	1-1/2" Iron Pipe	1-1/2" P. J. for Iron Pipe	1.8	6	109.33 ea.
PJA6-44-C16-54-NL	1" Polyethylene Pipe	1" P. J. for P.E. Pipe	1.3	10	73.12 ea.
PJA6-45-C16-55-NL	1-1/4" Polyethylene Pipe	1-1/4" P. J. for P.E. Pipe	1.5	8	85.67 ea.
PJA6-46-C16-56-IDRT-NL	1-1/2" Polyethylene Pipe	1-1/2" P. J. for P.E. Pipe	2.8	-	126.66 ea.
PJA7-44-C17-54-NL	1" PVC/IPS PE Pipe	1" P. J. for PVC/IPS PE Pipe	1.3	10	62.76 ea.
PJA7-45-C17-55-NL	1-1/4" PVC/IPS PE Pipe	1-1/4" P. J. for PVC/IPS PE Pipe	1.7	8	88.81 ea.
PJA7-46-C17-56-NL	1-1/2" PVC/IPS PE Pipe	1-1/2" P. J. for PVC Pipe	2.3	4	135.86 ea.

Grip Joint for CTS (3/4"-2") and PEP (3/4" and 1") can be ordered by inserting "-G" into the catalog number.

Example: PJA4-45-G-NL

◆ Quick Joint is available by inserting "-Q" into the catalog number. Example: PJA4-44-C14-54-Q-NL

Note: Insert stiffeners are priced on page 2 of section J.

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

PACK JOINT ELL ASSEMBLIES FOR KH-1, KH-2 AND KH-3 KORNERHORNS (TWO REQUIRED PER KORNERHORN) ■

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.	LIST PRICE
	SIZE AND TYPE OF EXISTING PIPE	P.J. ASSEMBLY REQUIRED			
PJAL4-13-NL	3/4" Copper or Plastic Tube	3/4" P. J. for (CTS)	0.9	16	\$ 66.92 ea.

Grip Joint for CTS (3/4"-2") and PEP (3/4" and 1") can be ordered by inserting "-G" into the catalog number.

Example: PJAL4-13-G-NL

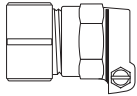
Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

SPECIAL ITEMS FOR KORNERHORNS AVAILABLE FOR KH-1, KH-2 AND KH-3 KORNERHORNS ONLY (TWO REQUIRED PER KORNERHORN)

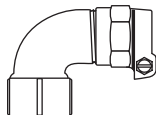
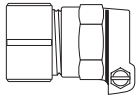
CATALOG NUMBER	DESCRIPTION	APPROX. WT. LBS.	STD. PKG. QTY.	LIST PRICE
○ PJAS-11-NL	1/2" Solder Sleeve (includes KHSCW, copper washer)	0.3	56	\$ 21.44 ea.
○ PJAS-13-NL	3/4" Solder Sleeve (includes KHSCW, copper washer)	0.3	50	22.08 ea.
PJA8-13-NL	3/4" Male Iron Pipe Thread	0.3	56	18.77 ea.
PJA8-15-NL	1-1/4" Male Iron Pipe Thread	0.5	-	28.24 ea.
KHSCW	Copper Washer (for positioning KH-VALVE-1-NL)	-	-	8.79 ea.
ORING-650024-EP	Kornerhorn Body O-ring Only (formerly KH-O-RING)	-	-	0.87 ea.
ORING-65021X2-EP	O-ring for Kornerhorn Valve Swivel Connection	-	-	1.41 ea.

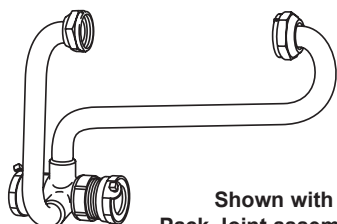
○ Attention: Special solder and procedures are required for best results. Contact factory or see website for installation instructions.

■ Ordered Separately



B



PRETZELHORNS**WITHOUT PIPE CONNECTIONS**

Shown with
Pack Joint assemblies

CATALOG NUMBER	METER SIZE	METER POSITIONED LEFT OR RIGHT FROM PH BODY	APPROX. WT. LBS.	STD. QTY.	LIST PRICE
PH-1-L-NL	5/8"	Left	2.3	1	\$ 129.14
PH-1-R-NL	5/8"	Right	2.3	10	129.14
PH-2-L-NL	5/8" x 3/4"	Left	2.5	10	142.83
PH-2-R-NL	5/8" x 3/4"	Right	2.5	10	142.83
PH-3-L-NL	3/4"	Left	2.5	1	154.31
PH-3-R-NL	3/4"	Right	2.5	1	154.31
PH-4-L-NL	1"	Left	5.1	1	326.94
PH-4-R-NL	1"	Right	5.1	1	326.94

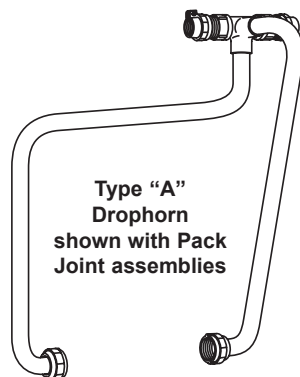
Pack Joint assembly pipe connections or solder connections available for Pretzelhorns are identical to those offered for Kornerhorns, and are listed and priced on page B-6.

Integral valve options are available as on Kornerhorns, page 5. Call for pricing.

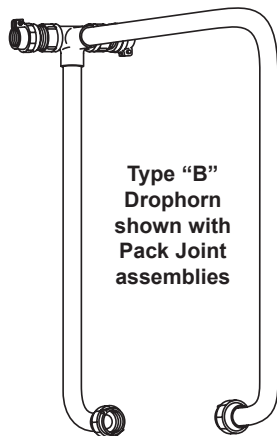
B**DROPHORNS****WITHOUT PIPE CONNECTIONS**

TWO TYPES ARE AVAILABLE: TYPE "A" PLACES THE METER IN LINE WITH THE PIPE.

TYPE "B" PLACES THE METER AT RIGHT ANGLE TO THE PIPE.



Type "A"
Drophorn
shown with Pack
Joint assemblies



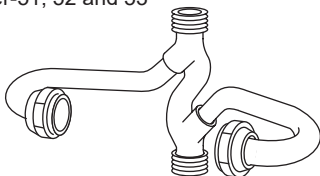
Type "B"
Drophorn
shown with Pack
Joint assemblies

CATALOG NUMBER	METER SIZE	TYPE OF DROPHORN ALIGNMENT	LENGTH (DISTANCE OF DROP)	APPROX. WT. LBS.	STD. PKG. QTY.	LIST PRICE
DH-1A-18-NL	5/8"	A	18"	-	-	\$ 186.18
DH-1A-24-NL	5/8"	A	24"	-	-	208.03
DH-1A-30-NL	5/8"	A	30"	-	-	229.82
DH-1A-36-NL	5/8"	A	36"	-	-	251.46
DH-2A-18-NL	5/8" x 3/4"	A	18"	3.5	-	193.17
DH-2A-24-NL	5/8" x 3/4"	A	24"	4.0	-	214.74
DH-2A-30-NL	5/8" x 3/4"	A	30"	-	-	236.76
DH-2A-36-NL	5/8" x 3/4"	A	36"	-	-	258.45
DH-3A-18-NL	3/4"	A	18"	3.5	-	198.97
DH-3A-24-NL	3/4"	A	24"	-	-	220.73
DH-3A-30-NL	3/4"	A	30"	-	-	242.23
DH-3A-36-NL	3/4"	A	36"	-	-	264.17
DH-4A-18-NL	1"	A	18"	6.1	-	391.45
DH-4A-24-NL	1"	A	24"	-	-	425.17
DH-4A-30-NL	1"	A	30"	-	-	459.56
DH-4A-36-NL	1"	A	36"	-	-	494.13
DH-1B-18-NL	5/8"	B	18"	-	-	165.94
DH-1B-24-NL	5/8"	B	24"	-	-	187.78
DH-1B-30-NL	5/8"	B	30"	-	-	209.24
DH-1B-36-NL	5/8"	B	36"	-	-	230.83
DH-2B-18-NL	5/8" x 3/4"	B	18"	-	-	172.78
DH-2B-24-NL	5/8" x 3/4"	B	24"	-	-	194.67
DH-2B-30-NL	5/8" x 3/4"	B	30"	4.4	-	215.99
DH-2B-36-NL	5/8" x 3/4"	B	36"	-	-	237.76
DH-3B-18-NL	3/4"	B	18"	-	-	178.22
DH-3B-24-NL	3/4"	B	24"	-	-	199.96
DH-3B-30-NL	3/4"	B	30"	4.4	-	221.93
DH-3B-36-NL	3/4"	B	36"	-	-	243.86
DH-4B-18-NL	1"	B	18"	-	-	361.24
DH-4B-24-NL	1"	B	24"	-	-	395.51
DH-4B-30-NL	1"	B	30"	7.8	-	430.81
DH-4B-36-NL	1"	B	36"	8.6	-	464.36

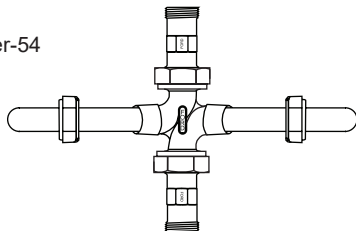
Pack Joint assembly pipe connections or solder connections available for Drophorns are identical to those offered for Kornerhorns, and are listed and priced on page B-6.

BASEMENT RESETTERS

Resetter-51, 52 and 53



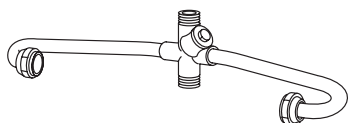
Resetter-54



CATALOG NUMBER	METER SIZE	APPROX. WT. LBS.	STD. PKG. QTY.	LIST PRICE
RESETTER-51-NL	5/8"	2.2	10	\$ 128.22
RESETTER-52-NL	5/8" x 3/4"	2.4	10	136.70
RESETTER-53-NL	3/4"	2.8	10	150.47
RESETTER-54-NL	1"	7.3	5	318.69

WALL SETTERS / TANDEM INDOOR SETTINGS

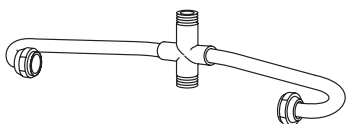
STYLE "A" INTEGRAL CHECK WALL SETTER FOR 5/8" AND 5/8" X 3/4" METERS



CATALOG NUMBER	DESCRIPTION	METER NUT SPACING	COUPLINGS AND ADAPTER INCLUDED	LIST PRICE
WSB	Bracket for Wall Mounting	-	-	\$ 20.58
CLAMP-32	Stainless Steel Clamp for Above	-	-	7.23
WS88-133A-NL	Setter for 5/8" Meter (including meter nuts, adapter, etc.)	15-5/8"	one RA-1-NL, one C38-13-2-188-NL	297.79
WS88-233A-NL	Setter for 5/8" x 3/4" Meter (including meter nuts, adapter, etc.)	15-1/4"	one RA-2-NL, one C38-23-1-625-NL	297.79

Note: Couplings, adapters and optional items will be packaged separately from wall setters.

STYLE "B" WALL SETTER FOR 5/8", AND 5/8" X 3/4" AND 3/4" METERS



CATALOG NUMBER	DESCRIPTION	METER NUT SPACING	COUPLINGS AND ADAPTER INCLUDED	LIST PRICE
WSB	Bracket for Wall Mounting	-	-	\$ 20.58
CLAMP-32	Stainless Steel Clamp for Above	-	-	7.23
WS88-133B-NL	Setter for 5/8" Meter (including meter nuts, adapter, etc.)	15-5/8"	one RA-1-NL, one C38-13-2-188-NL	266.11
WS88-233B-NL	Setter for 5/8" x 3/4" Meter (including meter nuts, adapter, etc.)	15-1/4"	one RA-2-NL, one C38-23-1-625-NL	266.11
WS88-333B-NL	Setter for 3/4" Meter (including meter nuts, adapter, etc.)	16-3/4"	one RA-2-NL, one C38-23-1-625-NL	275.17

Note: Couplings, adapters and optional items will be packaged separately from wall setters.

All wall setters have a spacing to include a 4-1/2" long PRV with 3/4" FIP thread connections.