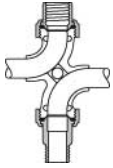


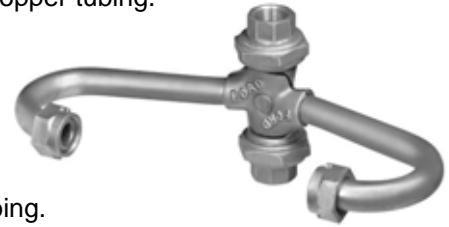
Copperhorns - *For metering new services*

Designed for use with new installations, the Copperhorn is our most popular inside setter for these very good reasons.

1. **The Copperhorn is easy to install** and eliminates ordinary meter couplings and many pipe fittings and joints.
2. **Pressure loss is negligible** due to smooth, full diameter bends in the copper tubing.



Water passages of copper tubing are held in place by solid 85-5-5 brass pieces.



3. **Meters can be changed easily** without disturbing the customer's plumbing.
4. **The Copperhorn makes for an attractive, professional-looking installation** which does not detract from the appearance of finished basements or utility rooms.
5. **The Copperhorn fits into any metering program** and can be fitted with a ball valve inlet and/or check valve outlet connection.

The Copperhorn can be adapted to most inside meter setting situations. Pipe ends or swivels are available for many types of connections and in a wide range of sizes as listed below.

Copperhorn for 5/8" meter

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	ONE END	OTHER END		
CH11-111	1/2" Female Iron Pipe	1/2" Female Iron Pipe	3.1	10
CH11-133	3/4" Female Iron Pipe	3/4" Female Iron Pipe	3.1	10
CH11-133-LS	Less Swivel w/Union Nut	Less Swivel w/Union Nut	3.0	10
CH11-144	1" Female Iron Pipe	1" Female Iron Pipe	3.1	10
CH18-111	1/2" Female Iron Pipe	1/2" Male Iron Pipe	3.1	10
CH18-133	3/4" Female Iron Pipe	3/4" Male Iron Pipe	3.1	10
CH18-134	3/4" Female Iron Pipe	1" Male Iron Pipe	3.1	10
CH18-143	1" Female Iron Pipe	3/4" Male Iron Pipe	3.1	10
CH18-144	1" Female Iron Pipe	1" Male Iron Pipe	3.1	10
CH22-133	3/4" Flared Copper	3/4" Flared Copper	3.1	10
CH84-133	3/4" Male Iron Pipe	3/4" Pack Joint CTS*	3.1	10
CH88-133	3/4" Male Iron Pipe	3/4" Male Iron Pipe	3.1	10
CH88-143	1" Male Iron Pipe	3/4" Male Iron Pipe	3.1	10
CH88-144	1" Male Iron Pipe	1" Male Iron Pipe	3.1	10
CH8S-133	3/4" Male Iron Pipe	3/4" Solder	3.1	10
CHSS-133	3/4" Solder	3/4" Solder	3.1	10
CHSS-144	1" Solder	1" Solder	3.1	10



No. 1 Copperhorn with 3/4" Female Iron Pipe inlet and outlet

Copperhorn for 5/8"x3/4" meter

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	ONE END	OTHER END		
CH11-211	1/2" Female Iron Pipe	1/2" Female Iron Pipe	3.1	10
CH11-233	3/4" Female Iron Pipe	3/4" Female Iron Pipe	3.1	10
CH11-233-LS	Less Swivel w/Union Nut	Less Swivel w/Union Nut	3.0	10
CH11-243	1" Female Iron Pipe	3/4" Female Iron Pipe	3.1	10
CH11-244	1" Female Iron Pipe	1" Female Iron Pipe	3.1	10
CH18-211	1/2" Female Iron Pipe	1/2" Male Iron Pipe	3.1	10
CH18-233	3/4" Female Iron Pipe	3/4" Male Iron Pipe	3.1	10
CH18-234	3/4" Female Iron Pipe	1" Male Iron Pipe	3.1	10
CH18-243	1" Female Iron Pipe	3/4" Male Iron Pipe	3.1	10
CH18-244	1" Female Iron Pipe	1" Male Iron Pipe	3.1	10
CH22-233	3/4" Flared Copper	3/4" Flared Copper	3.1	10
CH44-233	3/4" Pack Joint CTS*	3/4" Pack Joint CTS*	3.1	10
CH88-233	3/4" Male Iron Pipe	3/4" Male Iron Pipe	3.1	10
CH88-243	1" Male Iron Pipe	3/4" Male Iron Pipe	3.1	10
CH88-244	1" Male Iron Pipe	1" Male Iron Pipe	3.1	10
CH8S-233	3/4" Male Iron Pipe	3/4" Solder	3.1	10
CH8S-243	1" Male Iron Pipe	3/4" Solder	3.1	10
CHSS-211	1/2" Solder	1/2" Solder	3.1	10
CHSS-233	3/4" Solder	3/4" Solder	3.1	10
CHSS-244	1" Solder	1" Solder	3.1	10



No. 2 Copperhorn with optional HHSCH8-333 3/4" Straight Accessible Dual Check Valve

* Grip Joint for CTS (3/4") can be ordered by adding "-G" to the catalog number.

Copperhorns - *For metering new services*

Copperhorn for 3/4" meter



No. 3 Copperhorn with 3/4" Female Iron Pipe inlet and outlet

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	ONE END	OTHER END		
CH11-311	1/2" Female Iron Pipe	1/2" Female Iron Pipe	3.3	10
CH11-333	3/4" Female Iron Pipe	3/4" Female Iron Pipe	3.3	10
CH11-333LS	Less Swivel w/Union Nut	Less Swivel w/Union Nut	3.2	10
CH11-343	1" Female Iron Pipe	3/4" Female Iron Pipe	3.3	10
CH11-344	1" Female Iron Pipe	1" Female Iron Pipe	3.3	10
CH18-333	3/4" Female Iron Pipe	3/4" Male Iron Pipe	3.3	10
CH18-334	3/4" Female Iron Pipe	1" Male Iron Pipe	3.3	10
CH18-344	1" Female Iron Pipe	1" Male Iron Pipe	3.3	10
CH1S-344	1" Female Iron Pipe	1" Solder	3.3	10
CH22-333	3/4" Flared Copper	3/4" Flared Copper	3.3	10
CH44-333	3/4" Pack Joint CTS*	3/4" Pack Joint CTS*	3.3	10
CH82-333	3/4" Male Iron Pipe	3/4" Flared Copper	3.3	10
CH88-333	3/4" Male Iron Pipe	3/4" Male Iron Pipe	3.3	10
CH88-343	1" Male Iron Pipe	3/4" Male Iron Pipe	3.3	10
CH88-344	1" Male Iron Pipe	1" Male Iron Pipe	3.3	10
CH8S-333	3/4" Male Iron Pipe	3/4" Solder	3.3	10
CHSS-333	3/4" Solder	3/4" Solder	3.3	10
CHSS-343	1" Solder	3/4" Solder	3.3	10
CHSS-344	1" Solder	1" Solder	3.3	10

Copperhorn for 1" meter



No. 4 Copperhorn with 1" Female Iron Pipe inlet and outlet

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	ONE END	OTHER END		
CH11-444	1" Female Iron Pipe	1" Female Iron Pipe	6.1	5
CH11-444-LS	Less Swivel w/Union Nut	Less Swivel w/Union Nut	5.9	5
CH11-455	1-1/4" Female Iron Pipe	1-1/4" Female Iron Pipe	6.1	5
CH18-444	1" Female Iron Pipe	1" Male Iron Pipe	6.1	5
CH1S-444	1" Female Iron Pipe	1" Solder	6.1	5
CH88-444	1" Male Iron Pipe	1" Male Iron Pipe	6.1	5
CH88-454	1-1/4" Male Iron Pipe	1" Male Iron Pipe	6.1	5
CH88-455	1-1/4" Male Iron Pipe	1-1/4" Male Iron Pipe	6.1	5
CH8S-444	1" Male Iron Pipe	1" Solder	6.1	5
CHSS-444	1" Solder	1" Solder	6.1	5

NOTE: 1" Copperhorns have a solid brass body with soldered copper arms.

Parts for Copperhorn for 5/8", 5/8"x3/4" and 3/4" meters

CATALOG NUMBER	DESCRIPTION	APPROX. WT. LBS.
CSUN-3	Union Nut only	.25
CHS8-31	1/2" Male Swivel only	.15
CHS1-31	1/2" Female Swivel only	.15
CHSS-31	1/2" Solder Swivel only	.15
CHS8-33	3/4" Male Swivel only	.20
CHS1-33	3/4" Female Swivel only	.20
CHSS-33	3/4" Solder Swivel only	.20
CHS8-34	1" Male Swivel only	.20
CHSS-34	1" Solder Swivel only	.20
CHSUN1-34	1" Female Swivel with Union Nut (assembly)	1.0
CHS2-33	3/4" Swivel and Flare Nut for flared copper connection (less Union Nut)	1.0
CHS4-33	3/4" CTS Pack Joint Swivel (less Union Nut)*	1.0
WR-3	3/4" Wedding Ring only	0.4
HHSCH8-333	3/4" Dual Check Valve with Copperhorn Union Swivel Inlet and 3/4" MIP Outlet (unit attaches directly to Copperhorn body)	2.0

Parts for Copperhorn for 1" meter

CATALOG NUMBER	DESCRIPTION	APPROX. WT. LBS.
CSUN-4	Union Nut only	.40
CSS8-44	1" Male Swivel only	.30
CSS1-44	1" Female Swivel only	.30
CSSS-44	1" Solder Swivel only	.30
CSS8-45	1-1/4" Male Swivel only	.70
CSSUN1-45-AWT	1-1/4" Female Swivel with Union Nut (assembly)	1.5
WR-4	1" Wedding Ring only	.05
CSA4-44-Q	1" Quick Joint (CTS) Adapter (non swivel)	-

* *Grip Joint* for CTS (3/4") can be ordered by adding "-G" to the catalog number.