



Quality People. Building Solutions.

Comfort Systems USA (Arkansas), Inc.
P.O. Box 16620
Little Rock, AR 72231
Phone 501-834-3320
Fax 501-834-5416

Date: 3/13/2024

Return Request: 3/23/2024

Project: Stone Bank HQ - Chenal

Supplier: Comfort Systems USA (Arkansas), Inc.

Manufacturer: Various

Submittal: Hydronic Piping

Submittal Number: 23 21 13-01

Drawing # and Installation: Mechanical Drawings

ARCHITECT

WDD Architects
5050 Northshore Lane
N. Little Rock, AR 72118
501-376-6681

ENGINEER

Batson Inc.
1300 Brookwood Dr.
Little Rock, AR 72202
501-664-3311

GENERAL CONTRACTOR

East Harding
2230 Cottondale Lane #3
Little Rock, AR 72202
501-661-1646

MECHANICAL SUBCONTRACTOR

Comfort Systems USA (Arkansas), Inc.
9924 Landers Rd.
N. Little Rock, AR 72117
501-834-3320

Notes:

--

dpierce@comfortar.com

9924 Landers Rd.
No. Little Rock, AR 72117

Pipe Valve & Fitting Schedule - Stone Bank (Chenal)				
System	Spec Section	Pipe	Fittings	Joint
Hydronic Piping 2" & Below - Above Grade	23 21 13, 2.03	Type L Hard Copper; ASTM B88	Wrought Copper; ASME B.16.22	Lead-Free Solder; ASTM B32

Bronze Ball Valves

Two-Piece Body • Full Port • Bronze Trim • Blowout-Proof Stem

600 PSI/41.4 bar non-shock cold working pressure

150 PSI/10.3 bar saturated steam*

CONFORMS TO MSS SP-110

MATERIAL LIST

PART	SPECIFICATION
1. Handle Nut	Zinc Plated Steel
2. Handle	Zinc Plated Steel Clear Chromate Plastisol Coated
3. Threaded Pack Gland	Brass ASTM B 16 Alloy C36000
4. Packing	PTFE
5. Stem	Silicon Bronze ASTM B 371 Alloy C69300 or ASTM B 99 Alloy C65100
6. Thrust Washer	Reinforced PTFE
7. Ball	Brass ASTM B 124 Alloy C37700 or ASTM B16 Alloy C36000 EACH with Hard Chrome Plate
8. Seat Ring (2)	Reinforced PTFE
9. Body	Cast Red Bronze ASTM B 584 Alloy C84400
10. Body End Piece	Cast Red Bronze ASTM B 584 Alloy C84400

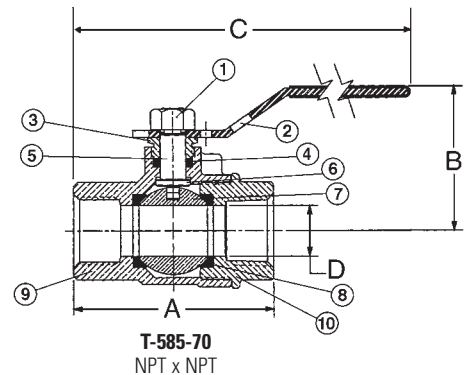
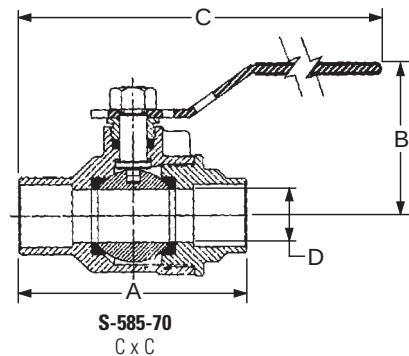
¼" size only has a 304 stainless steel grounding washer.



T-585-70
Threaded



~~**S-585-70**~~
~~Solder~~



DIMENSIONS—WEIGHTS—QUANTITIES

Dimensions														
Size	T-585-70		S-585-70		T-585-70		S-585-70							
	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.
¼	8	2.00	51	1.75	44	1.75	44	5.00	127	4.75	121	.38	.10	.45
⅜	10	2.00	51	1.84	47	1.75	44	5.00	127	4.81	122	.38	.10	.45
½	15	2.44	62	2.56	65	1.88	48	5.19	132	5.25	133	.50	.13	.64
¾	20	2.94	75	3.25	82	2.25	57	6.25	159	6.25	159	.75	.19	1.33
1	25	3.34	85	3.75	95	2.38	60	6.44	164	6.63	168	1.00	.25	1.79
1¼	32	4.19	106	5.06	128	3.00	76	6.75	171	7.19	183	1.25	.32	3.12
1½	40	4.72	120	5.99	151	3.16	80	9.06	230	9.69	246	1.50	.38	4.78
2	50	5.16	131	6.72	170	3.50	89	9.25	235	10.06	256	2.00	.51	6.68

Note: solder end is designed to be soft-soldered into lines using solders with the melting point not exceeding 500°F. Higher temperature solders will damage the seat material. See installation sheet packaged with valves.

♦For detailed operating pressure, refer to pressure temperature chart on page 41.

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

*Weighted average lead content ≤ 0.25%

**LEAD FREE*
OPTION
AVAILABLE**

**OXYGEN
SERVICE
OPTION
AVAILABLE**

Visit our website for the most current information.