

Materials Specification – 23 for BRASS AND BRONZE GOODS

1. GENERAL:

The following brass goods shall be manufactured in accordance with AWWA C800. They shall be manufactured using copper alloy UNS No. C83600, commercially known as 85-5-5, in accordance with ASTM B62 with the following additional requirements or exceptions.

Each manufacturer shall submit samples to Denver Water for testing. If the manufacturer is approved, the sample shall be kept by Denver Water and used as the standard by which future purchases shall be compared.

2. CORPORATION STOPS:

Corporation stops shall be AWWA Standard taper to copper flare and shall be of the type listed below:

Mueller	#B25000	(Sizes 3/4" - 2")
Ford	#F-600	(Sizes 3/4" - 2")
A.Y. McDonald	#4701	(Sizes 3/4" - 2")
Farnan	#W-100	(Sizes 3/4" - 2")
Ford	#FB-600	(Sizes 1" - 2")
Cambridge Brass	#102	(Sizes 3/4" - 2")

3. CURB STOPS:

Curb stops shall be copper to copper and shall be of the type listed below:

Ford Ball Type	#B-22	(Sizes 3/4" - 2")
Mueller	B25204	(Sizes 3/4" - 2")
A.Y. McDonald	#6100	(Sizes 3/4" - 2")
Hays	#4304	(Size 3/4")
Cambridge Brass	#202	(Sizes 3/4" - 2")

4. METER YOKES (LINE SETTERS):

Meter yokes shall be copper to copper and shall be of the type listed below:

Ford	#V83-xxW-22-xx	(3/4" Copper Meter Setter)
Ford	#V84-xxW-22-xx	(1" Copper Meter Setter)
Ford	#VBB76-12B-xx-xx	(1-1/2" Copper Meter Setter w/Bypass)
Ford	#VBB76-12-xx-xx	(1-1/2" Copper Meter Setter, No Bypass – IRR meters)
Ford	#VBB77-12B-xx-xx	(2" Copper Meter Setter w/Bypass)
Ford	#VBB77-12-xx-xx	(2" Copper Meter Setter, No Bypass – IRR meters)

A.Y. McDonald	#37-3xxWXCCxx	(3/4" Copper Meter Setter)
A.Y. McDonald	#37-4xxWXCCxx	(1" Copper Meter Setter)
A.Y. McDonald	#21B612WWxx xx5	(1-1/2" Copper Meter Setter w/Bypass)
A.Y. McDonald	#21-612WWxx xx0	(1-1/2" Copper Meter Setter, No Bypass – IRR Meters)
A.Y. McDonald	#21B712WWxx xx6	(2" Copper Meter Setter w/Bypass)
A.Y. McDonald	#21-712WWxx xx0	(2" Copper Meter Setter, No Bypass – IRR Meters)
Mueller	#B-2489	(3/4" Copper Meter Setter)
Mueller	#B-2489	(1" Copper Meter Setter)
Mueller	#B-2423	(1-1/2" Copper Meter Setter w/Bypass)
Mueller	#B-2422-00	(1-1/2" Copper Meter Setter, No Bypass – IRR Meters)
Mueller	#B-2423	(2" copper Meter Setter w/Bypass)
Mueller	#B-2422-00	(2" Copper Meter Setter, No Bypass – IRR Meters)

5. STOP AND WASTE VALVE:

Stop and waste valves shall be of the type listed below:

Mueller	#H-15214	(3/4" - 2")
Ford	#Z22-333SW	(3/4")
Ford	#Z22-444SW	(1")

6. GATE VALVES:

Gate valves that are under 3-inches that are to be used with copper pipe shall be all bronze with non-rising stems and solid wedge disc. The valve should be rated at 125 psi WSP and 200 psi WOG.

7. BALL VALVES:

Ball valves under 3-inches that are to be used with copper pipe shall be all bronze, full port ball valve, 400 psi WOG. Ball valves shall be of the type listed below:

Ford	#B22, #B44	(3/4" - 1")
Mueller 300 Ball	#B-25204	(3/4" – 2") Flare Both Ends
Mueller 300 Ball	#B-25154	(3/4" – 2") Flare Both Ends
AY McDonald Curb Stop	#6104	(3/4" – 2") Flare Both Ends
Ford Curb Stop	#BH-22-233	(3/4" – 2") Flare Both Ends

8. COMPRESSION FITTINGS:

Mueller	#H-15403	
	#H-15400	(3/4" – 1")
AY McDonald Curb Stop	#4758Q	(3/4" – 1")

9. LEAD PACK COUPLING:

Mueller
AY McDonald
Ford

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