



# Series 20-NP M1

## 2-Piece Brass Ball Valve

### FEATURES

- Forged Brass Construction
- 400 WOG Pressure Rating
- 125 PSIG Steam Rating
- Extended Length on Solder End Connections to Protect Seats/Seals from Heat Damage (NOTE A)
- Deeper NPT Threads meet ASME B.1.20.1 Gauging Requirements
- Multiple Handle Options available, including Latch-Lock, Oval & Tee Handles

NOTE A: Always solder valve while in fully open position and apply wet rag to center of body during soldering.

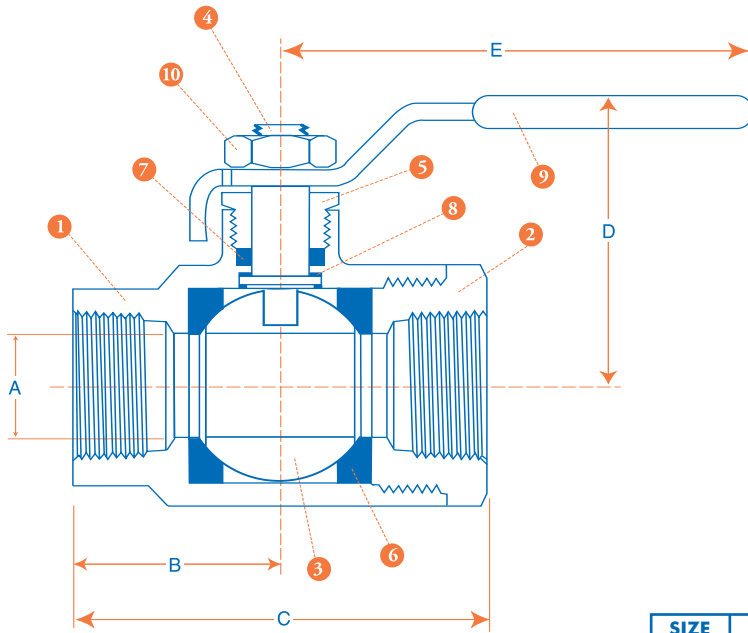


### RATINGS

**400 PSIG @100F WATER, OIL, GAS**  
**125 PSIG SAT. STEAM (NPT ONLY)**

### MATERIALS OF CONSTRUCTION

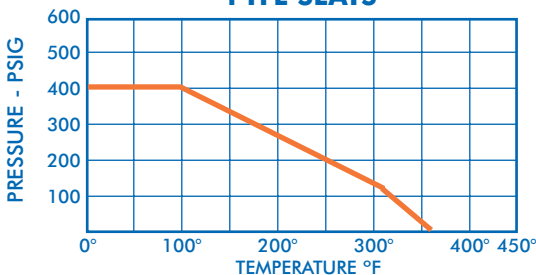
PART	DESCRIPTION	STANDARD MATERIAL
1	BODY	C37700 Forged Brass
2	TAILPIECE	C37700 Forged Brass
3	BALL	C36000 Brass
4	STEM	C36000 Brass
5	PACKING NUT	C36000 Brass
6	SEATS (2)	PTFE
7	PACKING	PTFE
8	THRUST WASHER	PTFE
9	HANDLE ASSY	Plated Carbon Steel
10	HANDLE NUT	Plated Carbon Steel



### DIMENSIONS, WEIGHTS, CV FACTORS & MAXIMUM OPERATING TORQUE

SIZE	A	B	C NPT	C SOLDER	D	E	WEIGHT LBS.	Cv	MAX. TORQUE
1/4-3/8"	.4	.9	1.8	N/A	1.9	4.1	.4	9	40 IN-LB
1/2"	.5	1.1	2.2	2.2	1.9	4.1	.5	9	60 IN-LB
3/4"	.6	1.1	2.3	2.8	1.9	4.1	.6	20	80 IN-LB
1"	.8	1.4	2.9	3.3	2.3	4.8	1.0	30	120 IN-LB
1-1/4"	1.0	1.6	3.2	3.7	2.5	4.8	1.5	50	150 IN-LB
1-1/2"	1.25	1.8	3.6	4.4	2.9	6.0	2.1	75	200 IN-LB
2"	1.5	1.9	3.9	5.0	3.2	6.0	2.8	110	250 IN-LB
2-1/2"	2.0	2.6	5.3		3.7	8.0	5.3	250	350 IN-LB
3"	2.5	3.1	6.2		4.2	8.0	8.2	375	400 IN-LB
4"	3.0	3.5	7.1		4.6	8.0	13.0	425	500 IN-LB

### PTFE SEATS



# Quadrant<sup>®</sup>

VALVE & ACTUATOR, LLC

## SERIES 22-NP M1

REV. 4/07

### NUMBERING SYSTEM ... HOW TO ORDER:

**20 R N P V V LH TT 050**

SERIES	PORT SIZE	BODY MATERIAL	BALL/STEM MAT'L	SEAT MAT'L	SEAL MAT'L	HANDLE TYPE	ENDS	SIZE
20 = 2 PIECE	R = REDUCED	N = BRASS	P = PLATED BRASS/BRASS	V = PTFE	V = PTFE	LH = CS LEVER TH = TEE HANDLE LL = CS LATCH LOCK SL = SS LATCH LOCK CO = CS OVAL LO = LOCKING SS OVAL	TT = FNPT CC = SOLDER ENDS	025 = 1/4" 038 = 3/8" 050 = 1/2" 075 = 3/4" 100 = 1" 125 = 1-1/4" 150 = 1-1/2" 200 = 2" 250 = 2-1/2" 300 = 3" 400 = 4"



20-NP  
with  
CS TEE HANDLE



20-NP  
with  
LATCH-LOCK HANDLE



20-NP  
with  
LOCKING  
OVAL  
HANDLE