

1805-LF Lead-Free NSF/ANSI 61 & 372* DZR Brass Fixed Orifice Circuit Balancing Valve - 1/2" to 2"

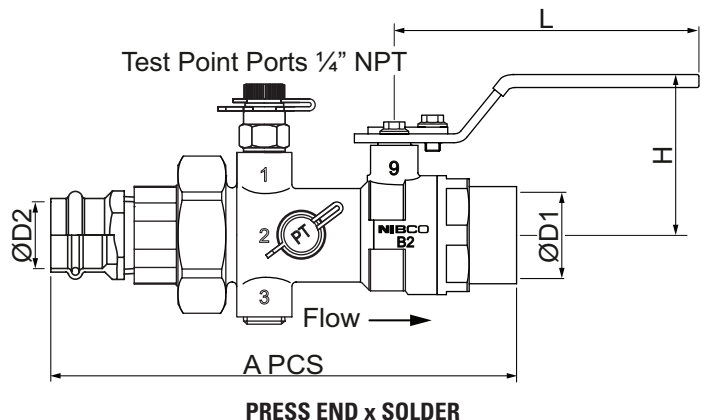
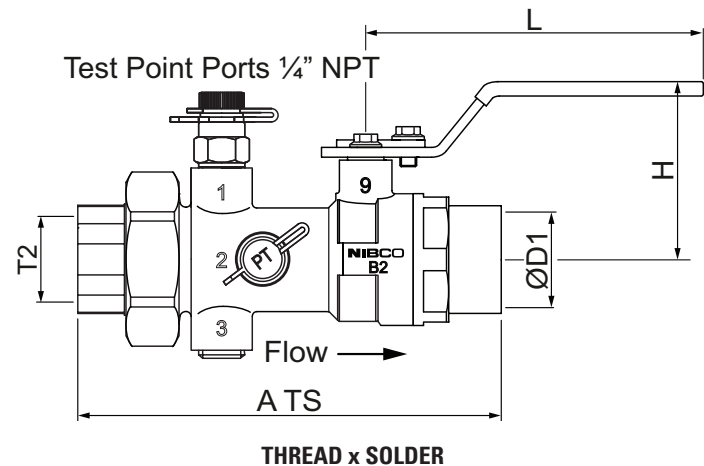
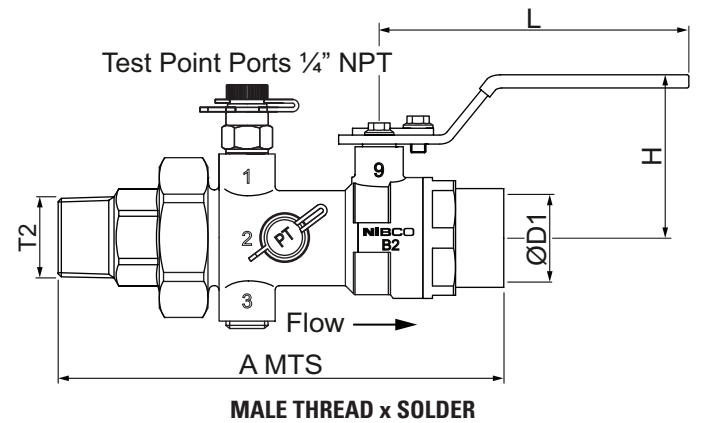
**Model: MTS-1805-LF20, MTS-1805R-LF20, MTS-1805-LF66 & MTS-1805R-LF66
TS-1805-LF20, TS-1805R-LF20, TS-1805-LF66 & TS-1805R-LF66
PCS-1805-LF20, PCS-1805R-LF20, PCS-1805-LF66 & PCS-1805R-LF66**

MATERIAL LIST	
PART	SPECIFICATION
Body	Brass - UNS C46500 (DZR)
End Connector	Brass - UNS C46500 (DZR)
Ball valve seats	PTFE
Ball	Stainless Steel - UNS S30400
Stem - 1/2" to 1" - LF20	Brass - UNS C46500 (DZR)
Stem - 1/2" to 1" - LF66	Stainless Steel - UNS S30400
Stem - 1 1/4" to 2" - LF66	Stainless Steel - UNS S30400
O-rings	EPDM
Lever	Steel - Zinc Plated
Washer head screws	Stainless Steel - UNS S30400
Memory stop	Steel - Zinc Plated
Union nut	Brass - CW617N
Plug	Brass - UNS S46500 (DZR)
Venturi	Brass - UNS S46500 (DZR)
Test Point (2)	Brass - CZ132A (DZR)
Press End	Copper - ASTM B75 C12200
Press End O-ring	EPDM

RECOMMENDED FLOW RANGE			
		Flow Range - gpm	
Size - In.	Venturi No.	Min	Max
1/2" & 3/4"	V-1	0.24	2.0
1/2" & 3/4"	V-2	0.8	6.0
3/4" & 1"	V-3	1.0	8.0
3/4" & 1"	V-4	2.3	18.0
1"	V-5	2.2	18.0
1 1/4"	V-6	4.3	35.0
1 1/2"	V-7	4.8	50.0
2"	V-8	6.0	80.0



*Weighted average lead content ≤0.25%



1805-LF Lead-Free NSF/ANSI 61 & 372* DZR Brass Fixed Orifice Circuit Balancing Valve - 1/2" to 2"

**Model: MTS-1805-LF20, MTS-1805R-LF20, MTS-1805-LF66 & MTS-1805R-LF66
TS-1805-LF20, TS-1805R-LF20, TS-1805-LF66 & TS-1805R-LF66
PCS-1805-LF20, PCS-1805R-LF20, PCS-1805-LF66 & PCS-1805R-LF66**

DIMENSIONS - In.											
						Male Thread		Thread		Press End	
Body	T2 - Thread	D1	D2	H	L	A MTS	Weight Lbs	A TS	Weight Lbs	A PCS	Weight Lbs.
B1	1/2" - 14 NPT	0.63	0.63	2.01	3.98	5.06	1.38	4.39	1.31	6.14	1.42
B1	3/4" - 14 NPT	0.88	0.88	2.01	3.98	5.17	1.86	5.19	1.77	6.61	1.97
B1	1/2" - 14 NPT	0.88	0.63	2.10	3.98	5.17	1.82	4.51	1.85	6.25	1.82
B2	1/2" - 14 NPT	0.88	0.63	2.01	3.98	5.48	1.82	4.81	1.85	6.56	1.96
B2	1/2" - 14 NPT	1.13	0.63	2.07	3.98	5.64	2.22	4.97	2.25	6.72	2.45
B2	3/4" - 14 NPT	1.13	0.88	2.07	3.98	5.70	2.26	5.85	2.17	7.14	2.45
B3	1" - 11.5 NPT	1.13	1.13	2.24	5.34	6.18	2.33	6.14	2.33	7.60	2.80
B3	1/2" - 14 NPT	1.13	0.63	2.24	5.34	5.93	2.22	5.27	2.25	7.01	2.45
B3	3/4" - 14 NPT	1.13	0.88	2.24	5.34	6.00	2.26	5.27	2.17	7.44	2.45
B4	1 1/4" - 11.5 NPT	1.38	1.38	2.43	5.34	7.40	4.60	6.60	4.43	9.24	5.13
B4	3/4" - 14 NPT	1.38	0.88	2.43	5.34	7.40	4.46	6.40	4.57	8.84	4.45
B4	1" - 11.5 NPT	1.38	1.13	2.43	5.34	7.40	4.44	6.55	4.55	8.82	4.44
B5	1 1/2" - 11.5 NPT	1.63	1.63	2.87	5.94	8.18	6.12	8.58	7.10	10.5	8.03
B5	1" - 11.5 NPT	1.63	1.13	2.87	5.94	8.18	5.94	7.37	6.05	9.60	6.34
B5	1 1/4" - 11.5 NPT	1.63	1.38	2.87	5.94	8.18	6.10	7.38	5.93	10.0	6.52
B6	2" - 11.5 NPT	2.13	2.13	3.11	5.94	9.67	9.30	10.12	10.7	12.0	10.8
B6	1 1/4" - 11.5 NPT	2.13	1.38	3.11	5.94	9.67	9.60	9.67	9.12	11.5	9.52
B6	1 1/2" - 11.5 NPT	2.13	1.63	3.11	5.94	9.67	9.41	9.67	9.10	12.0	9.63

Threaded & Solder

Maximum Working Pressure 600 PSI @ 100°F

Maximum Temperature 250°F @ 150 PSI

Press End

Maximum Working Pressure 200 PSI @ 230°F

Maximum Temperature 250°F @ 150 PSI

Flow Measurement Accuracy

Reference Figure 1805 Series Flow Rate Brochure for specific information regarding flow and accuracy characteristics.

Project: _____

Contractor: _____

PO/Job No.: _____

Engineer: _____

Representative: _____

Date: _____