86R-100 Series
Stainless Steel 3-Piece Full Port Ball Valve
With Actuator Ready ISO Mounting Pad
1/4” through 2”

Full Port Threaded, 1/4” to 1” 1000 psig CWP, 1-1/4” to 2” 800 psig CWP, Cold Non-Shock. 150 psig Saturated Steam.
Vacuum Service to 29 inches Hg.
MSS SP-110; Ball Valve Threaded, Socket-Welding, Solder Joint, Grooved and Flared Ends.

FEATURES
• Multi-piece packing set
• ISO 5211 mounting pad
• Blow-out-proof stem design
• In-line repairable
• Adjustable packing gland
• Investment cast components
• RPTFE seats and seals
• Full port configuration
• Meets NACE MR01-75

STANDARD MATERIAL LIST
1. Stem A276-316
2. Jam nut SS
3. Low profile nut 316 SS
4. Gland A276-316
5. Stem bearing RPTFE
6. End cap (2) ASTM A351-CF3M
7. Hex nut (4) 18-8 SS
8. Seat (2) RPTFE
9. Ball 316 SS
10. Body bolt (4) 18-8 SS
11. Stem packing MPTFE
12. Body ASTM A351-CF8M
13. Lock tab washer 304 SS
14. Lever and grip 304 SS w/vinyl

OPTIONS AVAILABLE:
(SUFFIX) OPTION SIZES
-02- Static Grounded 1/4” to 2’
-03- 1-1/4’ Stem Extension 1/4” to 2’
-04- 2-1/4’ Stem Extension 1/4” to 2’
-08- 90° Reversed Stem 1/4” to 2’
-14- Vented Ball 1/4” to 2’
-18- Plain Yellow Grip 1/4” to 2’
-21- UHMWPE Seats (Non-PTFE) 1/4” to 2’
-24- Graphite Stem Packing 1/4” to 2’
-27- Latch Lock Lever 1/4” to 2’
-35- VTFE Trim 1/4” to 2’
-36- SS Round Handle 1/4” to 2’
-39- SS Hi-Rise Locking Wheel Handle, SS Nut 1/4” to 2’
-49- Assembled Dry 1/4” to 2’
-57- Oxygen Cleaned 1/4” to 2’
-60- Grounded Ball & Stem 1/4” to 2’
-63- Threaded x Socket Weld 1/4” to 2’
-701- BSPP (Parallel) Thread Connection 1/4” to 2’
-701- BSPT (Tapered) Thread Connection 1/4” to 2’
-AR- Less Handle & Stop-Add Belleville Washers 1/4” to 2’
-WB- With Lever & Belleville Washers 1/4” to 2’

STAINLESS STEEL 3-PIECE FULL PORT BALL VALVE WITH ISO MOUNTING PAD

For Pressure/Temperature Ratings, Refer to Page M-10, Graph No. 8

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