

# Actuator Sizing

Because the actuator sizing is so critical to the proper operation and life of a ball valve, we have chosen not to publish torque values. Misinterpretation of manual torque data can lead to undersizing, while misinterpretation of

factored torque values can mislead as to ease of manual operation.

Furthermore, type of service conditions can significantly alter standard torque requirements. Balon valves have been recognized for years as a very easy to

operate valve. We will be glad to provide sizing information upon request through one of our field representatives or from our Oklahoma City headquarters.

## Standards and Specifications

Balon utilizes the following standards in the manufacture of ball valves. It should be noted that not all styles, configura-

tions and materials used in Balon Valves meet all of these standards in their entirety.

User should, therefore, specify a given standard if there is a need to assure total compliance with a given standard.

Balon valves are manufactured to the following standards and specifications, among others.

API..... (AMERICAN PETROLEUM INSTITUTE)	MSS-SP25..... STANDARD MARKING SYSTEM FOR VALVES, FITTINGS, FLANGES AND FITTINGS
API 6FA..... FIRE TEST FOR SOFT-SEATED VALVES	MSS-SP72..... BALL VALVES WITH FLANGED OR BUTT WELDING ENDS FOR GENERAL SERVICE
API 5B..... INSPECTION OF THREADS	MSS-SP82..... VALVE PRESSURE TEST METHODS
API 6D..... PIPELINE VALVES, END CLOSURES, CONNECTORS AND SWIVELS	MSS-SP84..... STEEL VALVES-SOCKET WELDING AND THREADED ENDS
API-Q1..... QUALITY PROGRAMS	NACE MR-01-75..... SULFIDE STRESS CRACKING, RESISTANT METALLIC MATERIAL FOR OILFIELD EQUIPMENT (NACE MATERIALS ARE OPTIONAL AND MUST BE SPECIFIED ON PURCHASE ORDERS)
API-594..... WAFER CHECK VALVES	U.S. COAST GUARD
ANSI..... (AMERICAN NATIONAL STANDARD INSTITUTE)	ACCEPTED AS AN APPROVED AFFIDAVITED MANUFACTURER OF VALVES FOR USE ON COAST GUARD INSPECTED AND CERTIFIED EQUIPMENT (46 CFR 56.07-5)
ANSI-B..... 16.5 - PIPE FLANGES AND FLANGED FITTINGS	ASSOCIATION OF AMERICAN RAILROADS
ANSI-B..... 16.10 - FACE-TO-FACE END-TO-END DIMENSIONS	TANK CARS
ANSI-B..... 16.42 DUCTILE IRON PIPE FLANGES AND FLANGED FITTINGS	
ANSI-B..... 16.34 - VALVES - FLANGED END, THREADED AND BUTT WELD	
ANSI-B..... (B1.20.1) - PIPE THREADS GENERAL PURPOSE (INCH)	
MSS..... (MANUFACTURERS STANDARDIZATION SOCIETY)	
MSS-SP6..... STANDARD FINISHES FOR CONTACT FACES OF PIPE FLANGES AND CONNECTION END FLANGES OF VALVES AND FITTINGS	