MUELLER REFRIGERATION, LLC.
BALL VALVE SPECIFICATIONS
STANDARD, STANDARD WITH ACCESS, THREADED

PERFORMANCE:

MAXIMUM WORKING PRESSURE-
1-5/8" and Below: 775 PSIG (5.3 MPa)

2-1/8" and Above: 700 PSIG (4.8 MPa)

BURST PRESSURE-
1-5/8" and Below: 3875 PSIG (26.4 MPa) Minimum Hydrostatic Strength Test, or 2325 PSIG (16.0 MPa) Minimum Hydrostatic Strength Test and Fatigue Test per UL207.

2-1/8" and Above: 3500 PSIG (24.1 MPa) Minimum Hydrostatic Strength Test, or 2100 PSIG (14.5 MPa) Minimum Hydrostatic Strength Test and Fatigue Test per UL207.

BALL SEAL-

VACUUM HOLD-	**29.0 IN/HG @ 1 HR**
LEAK RATE-	**<10.0 OZ/YR @ 300 PSI**

The vacuum hold and leak rate are based on the conditions that a valve would be exposed to in a refrigeration system. Oil may need to be applied to the ball of the valve to replicate this condition.
The ball valves are not designed to be used as permanent shutoff to atmosphere valves. The intended function of this ball valve is to temporarily isolate components or sections of a refrigeration system for repair.

ASSEMBLY SEAL TO ATMOSPHERE

VACUUM HOLD-	**29.0 IN/HG @ 24 HRS**
LEAK RATE-	**< 0.1 OZ/YR**

FLOW RATES BY CONNECTION SIZE (Cv)-

1/4" –	**1.0**
3/8" –	**4.3**
1/2" –	**6.2**
5/8" –	**11.2**
3/4" –	**19.0**
7/8" –	**29.3**
1-1/8" –	**59.6**
1-3/8" –	**84.6**
1-5/8" –	**225.0**
2-1/8" –	**291.6**
2-5/8" –	**423.5**
3-1/8" –	**553.2**
2-5/8" –	**230.4 (Reduced Port)**
3-1/8" –	**143.5 (Reduced Port)**

FLUID COMPATIBILITY- **ALL TYPES OF FLUORINATED REFRIGERANTS AND OILS**

RELIABILITY:

TEMPERATURE LIMITS- **-40°F / 300°F**

LIFE EXPECTANCY- **> 50,000 CYCLES**

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MATERIALS OF CONSTRUCTION

BODY, FORGED BRASS-	BRASS
TAILPIECE, ROD OR FORGED BRASS -	BRASS
TUBE ENDS, COPPER -	COPPER
BALL, BRASS OR STEEL-	STAINLESS, PLATED BRASS, OR PLATED STEEL
BALL SEALS-	PTFE
STEM, BRASS OR STEEL-	BRASS, STAINLESS, OR PLATED STEEL
STEM, "O" RING-	NEOPRENE
SEAL CAP, TWO-PIECE, FORGED-	BRASS
SEAL CAP NUT, TWO-PIECE, BRASS ROD-	BRASS
SEAL CAP GASKET-	PTFE
SEAL CAP ANTI-FRICTION RING-	NYLON
STOP PIN-	STAINLESS OR PLATED STEEL
BRAZE RINGS, BODY&TAILPIECE/TUBE-	BRAZING ALLOY
KNURLED NUT (WHEN REQ) -	BRASS
LINE FLARE GASKET (WHEN REQ) -	NEOPRENE
ACCESS FITTING, BRASS (WHEN REQ) -	BRASS
BRAZE RING, FITTING (WHEN REQ) -	BRAZING ALLOY
VALVE CORE (WHEN REQ) -	PLATED BRASS, PLATED STEEL, OR STAINLESS, PTFE OR NEOPRENE SEALS

CODE APPROVALS

UL LISTED FILE NO. (US)-	SA 1392 VOL 2/SFJQ
cUL LISTED FILE NO. (Canada)-	SA 1392 VOL 2/SFJQ7
CRN	0C1241.9

MARKED IN ACCORDANCE WITH PRESSURE EQUIPMENT DIRECTIVE

RoHs and REACH COMPLIANT