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**SAMPLE SPECIFICATION**

**Ball Check Valves**

GA-BCV-SPEC Rev A

1.0 GENERAL

1.1 Manufacturer shall have a minimum of ten (10) years’ experience in the manufacture of ball check valves.

1.2 Manufacturer shall have an ISO-9001 quality management system certified by an accredited body.

1.3 When requested, manufacturer shall provide detailed product data and descriptive literature including dimensions, weight, head loss vs. flow, pressure rating, materials of construction and cross-sectional drawings clearly illustrating the individual components.

2.0 PRODUCT

2.1 The check valve shall consist of an iron body and cover and rubber or rubber coated ball. The ball shall be the only moving part. The ball shall seal tightly against a machined seat in the body and open to allow forward flow but close drop tight to prevent reverse flow. The design shall be self-cleaning and non-clogging.

2.2 Sizes smaller than 3-inch shall have NPT connections and 3-inch to 12-inch size shall have integral flanged connections that are faced, drilled and of the thickness required by ANSI/ASME B16.1 Class 125.

2.3 The body shall have a removable cover to allow easy extraction of the ball. Flanged valves shall have a bolted cover while NPT valves shall have a threaded cover.

3.0 MATERIALS

3.1 The valve body and cover shall be made from cast iron per ASTM A126 Class B rated for 150 PSI and.

3.2 The ball shall be solid nitrile rubber or have a metal core with a molded and vulcanized nitrile rubber coating.

3.3 Cover bolts and nuts shall be zinc plated steel.

3.5 The interior and exterior ferrous surfaces of the valve shall be shop coated with NSF-61 certified 2-part epoxy.

4.0 OPTIONS *(Specifier to select)*

4.1 Specify in lieu of 3.3 when required: Cover bolts and nuts shall be 316 stainless steel.

5.0 MANUFACTURER

5.1 Ball check valves shall be GA Industries Figure 240 or 242 as manufactured by VAG USA, LLC Mars, PA USA.