

AIRWAVE Bulletin Product Development & Engineering

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To: All Distributors
All Reps
All Mitsubishi Electric Cooling & Heating Staff

Subject: **Introducing Unibody Diamondback™ Ball Valves**

The new Diamondback ball valves have a forged brass unibody design, eliminating potential leak points and feature a forged brass unibody ball and seal cap that are interchangeable with the present design. The new valves are full-port design, 700 PSIG-rated, have a temperature range of -40 to +325° F and are fully R410A compatible.



As in the previous generation, each valve is manufactured with flare connections and equipped with Schrader-type access fitting for refrigerant service and use only PTFE seals and gaskets, no synthetic O-rings, to ensure no leaks no matter what refrigerant or oil is used. If there is ever a need to isolate the downstream portion of the system, you can be assured that the ball valve seals are intact and will not leak.

Each ball valve is factory tested under pressure to ensure leak-proof performance:

1. Test valve closed in both directions and check for leakage past the ball seals.
2. Test valve open to check for leakage from weld, tubes, body or stem seals.

The new valve part numbering adds a numeral “2” to the part number, for example the 1/4-inch SAE valve part will be BV14FFSI2. This will result in a “running change” and new valves will ship when the existing supplies are exhausted. Diamondback ball valves will continue to be shipped with the split sleeve insulator for easy installation. The price for the new improved design remains the same.

Contact your local Mitsubishi Electric Cooling & Heating sales representative if you have any questions.

