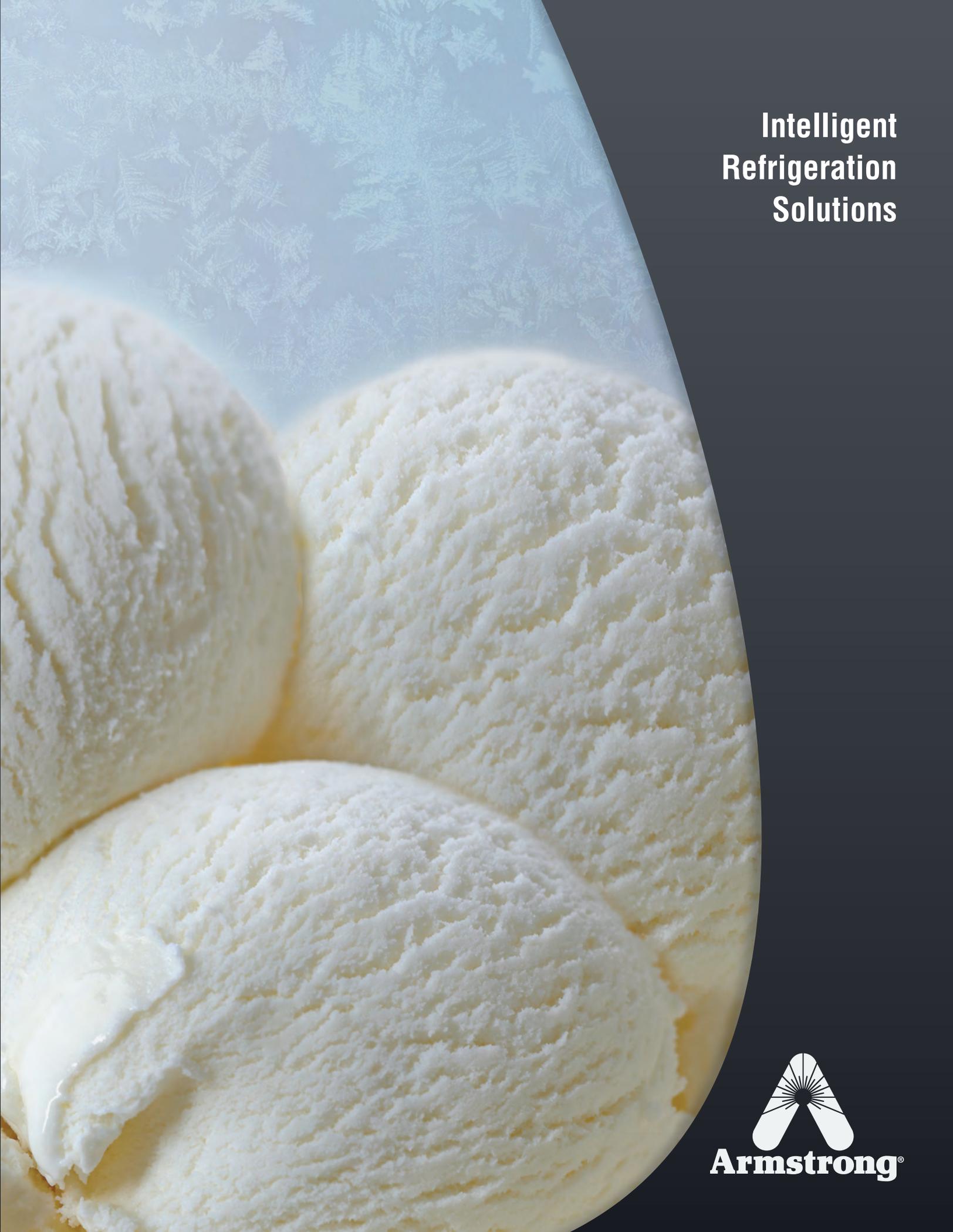


**Intelligent
Refrigeration
Solutions**





Stop Check Valves

- Suitable for all common refrigerants including R-717 (Ammonia), R-134a and others
- Temperature Range: -50°F to 240°F (-46°C to +116 °C)
- Temperature Below: -60°F (-51°C) at lower pressure
- Safe Working Pressure: 365 psig (25 bar)
- Available in both wheel and vented cap option
- Available in angle and straight pattern butt-weld and socket weld connections
- Patented stem seal and back seat design

Inline Check Valves

- Suitable for all common refrigerants including R-717 (Ammonia), R-134a and others
- Safe Working Pressure: 365 psig (25 bar)
- Operating Temperature Range: -50°F to 240°F (-46°C to +116 °C)
- Connections: Flanged
- Compact size occupies very little space
- Can be installed in any position
- Low pressure drop



State-of-the-Art Valves for Refrigeration Systems

Armstrong International provides state-of-the-art refrigeration valves that are specifically designed for use in industrial ammonia and large commercial halocarbon refrigeration systems.



Armstrong Valves Feature:

- *Rugged Design*
- *Patented Stem Packing and Back Seat Design*
- *Dual Stem Sealing*
- *Stainless Steel Stems*
- *Non-metallic main valve and Back Seating*
- *Light Weight and Compact*
- *Hand Wheel/Seal Cap Option*



Weld-in Line Stop Valves

- Suitable for all common refrigerants including R-717 (Ammonia), R-134a and others
- Temperature Range: -50°F to 240°F (-46°C to +116 °C)
- Temperature Below: -60°F (-51°C) at lower pressure
- Safe Working Pressure: 365 psig (25 bar)
- Leak Proof Sealing of the main valve
- Patented Back Seating & Gland Packing design
- Stem: Stainless Steel
- Available in both wheel and vented cap option
- Straight and Angle pattern ½” thru 12”
- Connections: Butt Weld (SBW) or Socket Weld (SSW)

Strainer Valves

- Suitable for all common refrigerants including R-717 (Ammonia), R-134a, and others
- Screen: Stainless Steel, 70/40 Mesh
- Working Pressure to 365 psig (25 bar)
- Seam welded screens with reinforced screen ends
- Cleanable design
- Sizes from ½” to 12” Flanged, Butt Weld and NPT connections
- Straight and angle pattern



State-of-the-Art Valves for Refrigeration Systems

Safety Relief Valves

- Working pressure: to 365 psig (25 bar)
- Maximum Temperature Rating: 240°F (116°C)
- Setting Range: 150 to 350 psig (10.4 to 24 bar)
- Teflon seal with Stainless Steel Crown Ring provides non-stick service



Dual Relief Valve Manifold

- Sizes, ½ thru 1 ¼ inch
- Meets ANSI/ASHRAE 15-1994
- No isolation valve required
- One valve can be removed for repairs at any time



Solenoid Valve

- Temperature of medium: -40°F to 176°F (-40°C to -80°C) with 18 watt coil
- Safe working pressure: 300 psig (21 bar)
- Suitable for all common refrigerants including R-717 (Ammonia), R-134a, and others
- Simple, compact and rugged construction

Flanges

- Suitable for all common refrigerants including R717 (Ammonia), R-134a, and others
- Safe working pressure: 365 psig (25 bar)
- Available with socket weld and NPT connections
- Tongue and Groove type





Hand Expansion Valves

- Globe and Angle pattern, NPT $\frac{1}{4}$ " – 1" (6mm – 25mm)
- Globe and Angle pattern, Flanged End $\frac{1}{2}$ " – 2" (15mm – 50mm)
- Slotted seat design
- Resists plugging
- Red hand wheels



Flow Indicators

- Provide a quick, reliable and economical way to verify the flow of refrigerant
- Suitable for all common refrigerants including R-717 (Ammonia), R-134a, and others
- Size: 1" – 2" (25mm – 50mm)
- Flanged and Butt Weld



Reflex Glass Liquid Level Indicator

- Suitable for all common refrigerants including R717 (Ammonia), R-134a, and others
- Tempered borosilicate glass is resistant to chemical, thermal and mechanical shocks
- Large chamber for boiling, flashing or surging liquids
- Safety ball gauge valve provided.
- Standard sizes available: 6", 12", 18", 24", 30", 36", 42", 48", 54", 60"

Armstrong provides intelligent system solutions that improve utility performance, lower energy consumption, and reduce environmental emissions while providing an “enjoyable experience.”



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Bulletin 710
Printed in U.S.A. - 10/13
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