SERIES CR-101-HP

CONTINUOUS ACTING HIGH PRESSURE AIR VENT & VACUUM RELIEF

BUILT FOR SUPERIOR PERFORMANCE

- Rated standard operating pressure 300 PSI.
- Laboratory tested to 750 PSI. Engineered safety factor of 5X with respect to tensile strength.
- Cast aluminum (per ASTM B-26).
- Continuous acting mechanism seals at pressures as low as 2 PSI, providing the best published performance in the industry.
- Lighter weight material aids in installation and mounting.

IMPORTANT BENEFITS

- Protects pipelines and pumps from air lock and vacuum collapse.
- Eliminates air and prevents vacuum potential in pipelines.
- Prevents reduction/impedance of flow due to air obstruction. Reduces head losses from air.
- Reduces frequency of water hammer and vacuum damage.
- High pressure rating allows use in hilly terrain with high heads or with high pressure pumps.
- Large venting orifice rapidly exhausts or admits air during pipeline filling or draining.

MATERIALS AND SPECIFICATIONS

- Body and base are high-strength, corrosion-resistant aluminum.
- A unique hard-anodized aluminum poppet and specially-designed cylindrical float provide reliable and consistent operation.
- The guide rod and assembly hardware are stainless steel.
- Pressure rating from 2 – 300 PSI.
- Temperature rating 180 degrees F.



MODELS

705802020

2" FPT inlet, 300 PSI Rated High Pressure Air Vent

705803020

3" FPT inlet, 300 PSI Rated High Pressure Air Vent

705804020

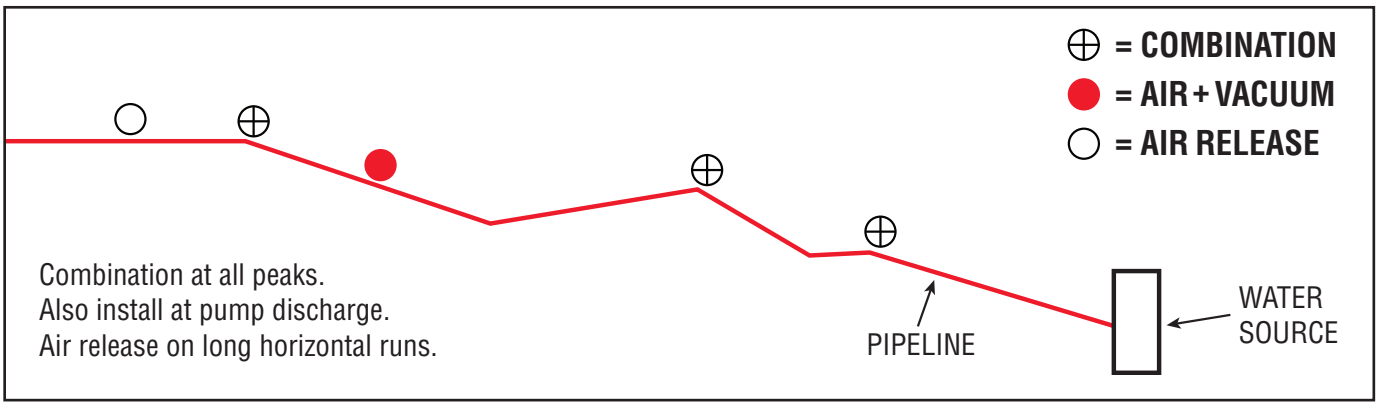
4" FPT inlet, 300 PSI Rated High Pressure Air Vent

Waterman

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Tel: 1-(559) 562-4000 Fax: 1-(559) 562-2277 www.WatermanUSA.com

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APPLICATION

Typical installations include high points in pipelines for air release and at anticipated pipeline vacuum occurrence locations. They are also often installed upstream of check valves in pump discharges to vent air during start-up and to allow air re-entry when the pump stops.

OPERATION

Air Release Mode: When line is filled or pump started, air is exhausted through the valve. As liquid fills the valve, mechanism rises to close the outlet. At very low pressures below 2 PSI, the float releases to disallow vacuum tendencies.

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