TECHNICAL AND PERFORMANCE DATA
PRESSURE DROP CHARTS + CHECK VALVES

Style: Threaded Ends, Silent Check Valve
Model: CV 20-BZ (Bronze Unit)

Style: Threaded Ends, Silent Check Valve
Model: CV 80-SS (Stainless Steel Unit)

Style: Wafer Type, Single Disc Check Valve
Models: CV 31-DI, CV 32-CS/SS

Style: Wafer Type, Short Pattern, Swing Check Valve
Models: CV 12-CS/SS

Pressure Drop Equation for Liquids:
\[ \Delta P = G \times \left(\frac{Q}{C_v}\right)^2 \]

- \( \Delta P \) = Pressure drop (psi)
- \( G \) = Specific gravity of liquid at 60 °F
- \( C_v \) = Flow coefficient factor
- \( Q \) = Flow rate (GPM)

Legend: Pressure Drop - PSI (y - axis) versus Flow Rate - GPM (x - axis)

- These curves are theoretical; actual results may vary depending on installation conditions and other variables. Use these values for reference only.
- The above pressure drop charts are based upon 1/8” perforated screens and baskets handling clean water at 60 °F during ideal inlet and outlet conditions. Therefore, they should only be used for estimation purposes.
- For fluids other than water, multiply the pressure drop (\( \Delta P \)) obtained from the charts by the specific gravity of the fluid in question.
- For mesh lined screens, multiply the pressure drop (\( \Delta P \)) obtained from the charts by the corresponding correction factor shown in the \( C_v \) correction table.

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