SYSTEM OF HYDRONIC INDICATION

FLOW CONDITIONING CORP.
THE HYDRONIC INDICATOR

... WITH RANGES DESIGNED FOR HYDRONIC APPLICATIONS

Developed specifically for hydronic application, the Hydronic Indicator is designed to read pressures at the 1) pump suction, 2) pump discharge, 3) suction diffuser or strainer inlet, 4) downstream side of balance valve, 5) coil supply and return, 6) chiller supply and return, and 7) condenser supply and return.

The Hydronic Indicator System, of which the Indicator is an integral part, makes possible the exact determination of a system curve on any hydronic system.
THE HYDRONIC TRUMPET VALVE

THE VALVE THAT BECOMES A MANIFOLD.

When introduced to the Hydronic system, the Hydronic Trumpet Valve®, actually becomes a manifold. The design of the Trumpet Valve® makes possible the joining of pressure points on any hydronic system. From here each reading is taken separately simply by pushing a button. Pulsation on the indicator is eliminated by this push-button design.

The Hydronic Trumpet Valve®, available in two to four individual valves, is of rugged one-piece brass construction with a built-in test port connection for calibration of the Hydronic Indicator.

The Hydronic Indicator, readable to one half foot, combined with the unique design features of the Trumpet Valve® becomes a system superior to all gauge installations.

- "O" Ring Seal
- Isolated from system temperature
- Rugged one-piece brass body

The Hydronic Indicator System enables readings to be taken at all four pressure points on one precision indicator with ranges designed specifically for hydronic application. Accurate to within 1% of the dial range, the Hydronic Indicator System makes possible true flow computation on all hydronic systems.

Fast permanent mounting is accomplished by use of the mounting bracket and strap or by welding the bracket.

Prior to the Hydronic Indicator System, measuring pressures in a hydronic system for flow computation required a costly multiple gauge installation. The inaccuracy of these gauges caused evaluation to become guesswork.
HYDRONIC INDICATION SYSTEM

SPECIFICATIONS

TYPICAL SPECIFICATIONS
Provide Flow Conditioning Corp. Hydronic Indication Systems as shown on plans. These systems shall consist of Hydronic Indicators and Trumpet Valves® to provide accurate pressure indications where necessary.

Hydronic Indicator shall meet ASA Grade A specifications for pressure gauges, accurate to 1%. Case shall be 4 1/2” diameter, stem mounted, heavy steel with screwed ring and unbreakable crystal. Indicator shall have recalibrator, compound scale calibrated both in pounds and feet from full vacuum to selected pressure, and quick-set dial for pressure comparison. Maximum indicator pressure shall be 1000 psi.

COMPLETE HYDRONIC INDICATION SYSTEM INCLUDES:
Trumpet Valve®, Hydronic Indicator, Mounting Bracket, and Test Port Connector

<table>
<thead>
<tr>
<th>Four Port System</th>
<th>Three Port System</th>
<th>Two Port System</th>
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<tbody>
<tr>
<td>TVI-460</td>
<td>TVI-360</td>
<td>TVI-260</td>
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<td>TVI-4100</td>
<td>TVI-3100</td>
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<tr>
<td>TVI-4150</td>
<td>TVI-3150</td>
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<tr>
<td>TVI-4200</td>
<td>TVI-3200</td>
<td>TVI-2200</td>
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Trumpet Valve®

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Ports</th>
<th>Dimension “A”</th>
</tr>
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<tbody>
<tr>
<td>TV-2</td>
<td>2</td>
<td>3 1/2”</td>
</tr>
<tr>
<td>TV-3</td>
<td>3</td>
<td>4 1/2”</td>
</tr>
<tr>
<td>TV-4</td>
<td>4</td>
<td>5 1/2”</td>
</tr>
</tbody>
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Other Flow Conditioning Corp. Products:

Double Suction Diffuser
Sizes 10” x 10” Thru 20” x 24”

Flange Adapters
Sizes 3” x 2 3/8” Thru 14” x 12”

Flow Conditioning Corp.

WWW.FLOW-C.COM
12 KIMLER DRIVE MARYLAND HEIGHTS, MO 63043-3797 (314) 878-7998 FAX (314) 878-6029