Summer 2010



Vent-Tech Combination Water Air Relief Valve WTR-C Series

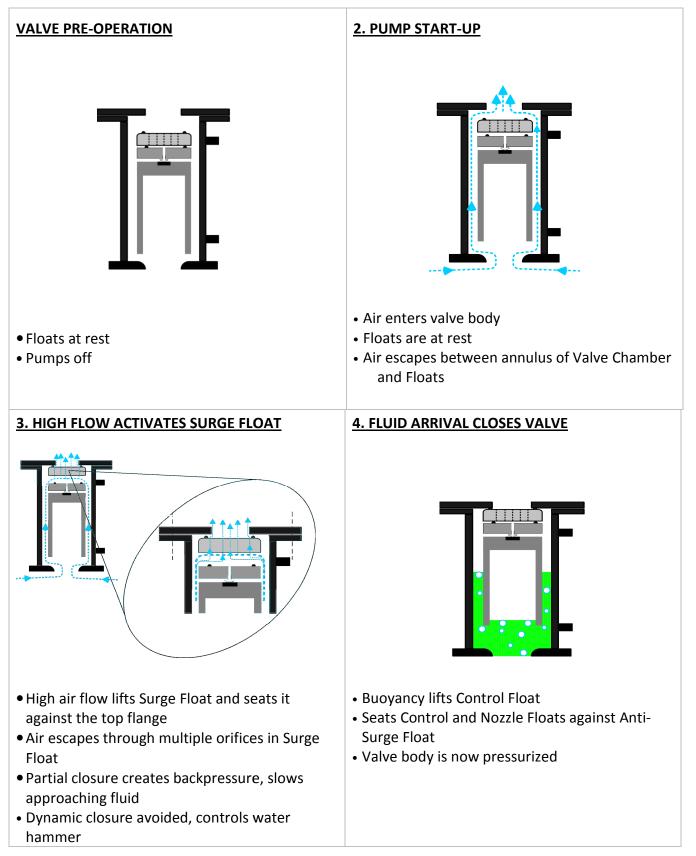


Air Release
 Vacuum Protection
 Surge Control

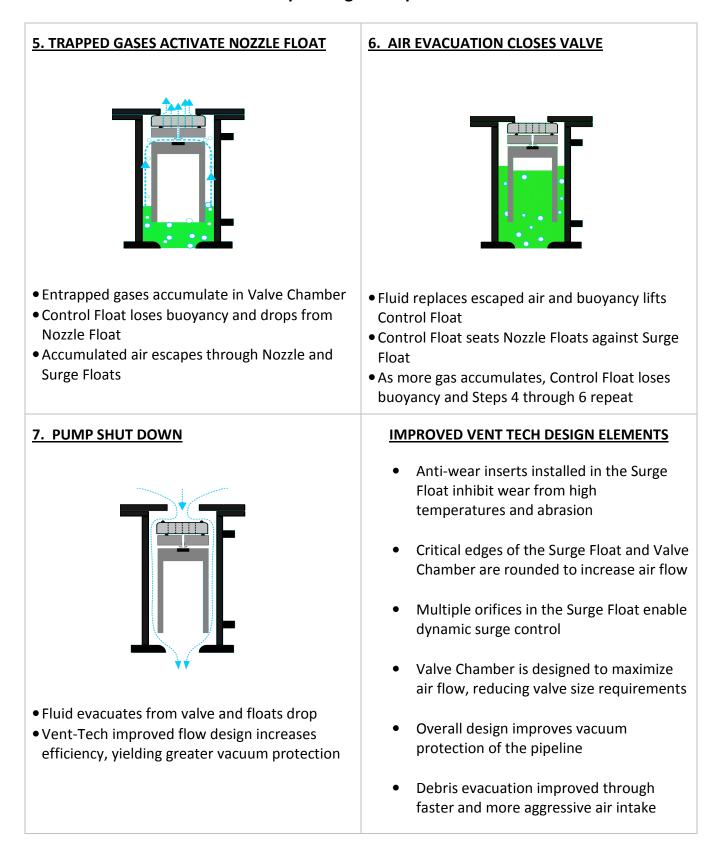
# High Air Flow Intake and Discharge With Surge Control

www.internationalvalve.com

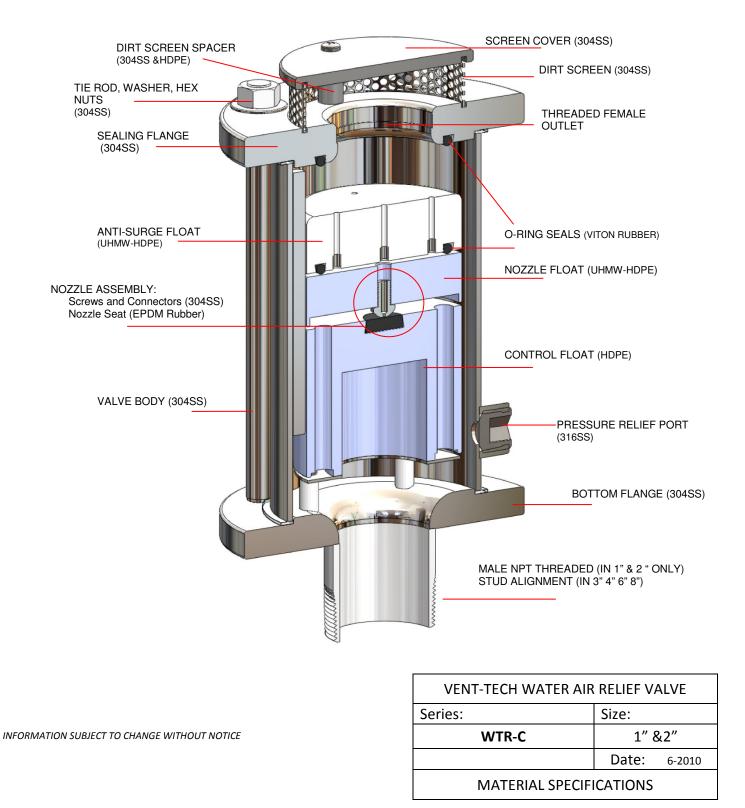
#### Vent-Tech WTR-C Series – High Air Flow Intake and Discharge with Surge Control **Operating Description**



#### Vent-Tech WTR-C Series – High Air Flow Intake and Discharge with Surge Control **Operating Description**



Vent-Tech WTR-C Valve - 1" & 2" Material Specifications



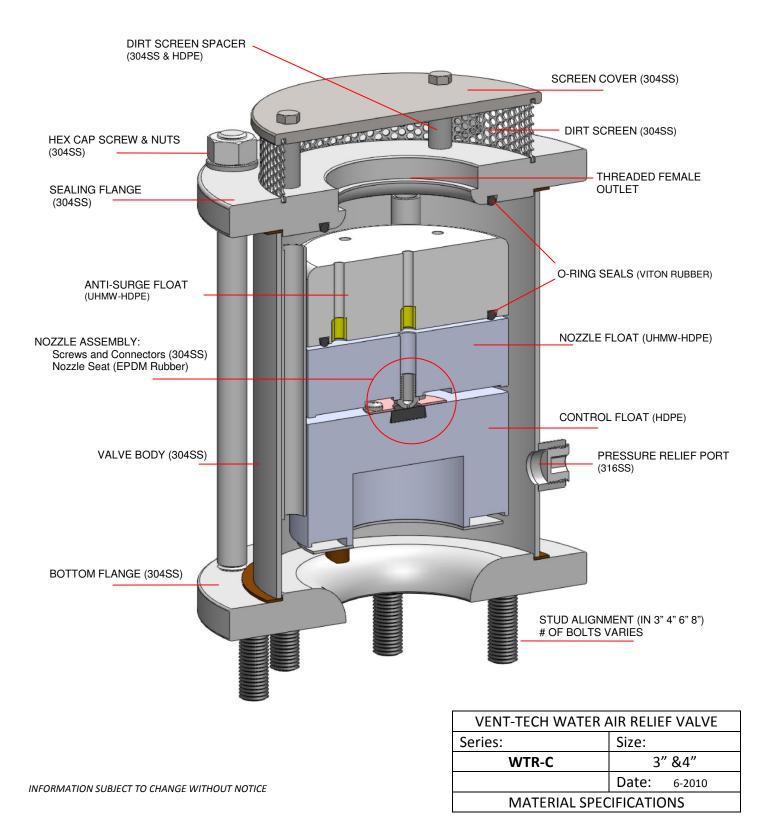
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## Vent-Tech WTR-C Valve - 1" &2" General Specifications

| VALVE TYPE                            | COMBINATION AIR RELIEF VALVE<br>STANDARD WTR-C Series  |     |  |           |           |               |             |  |  |
|---------------------------------------|--|-----|--|-----------|-----------|---------------|-------------|--|--|
|                                       | <ol> <li>VALVE OPERATIONS:</li> <li>1. High volume air evacuation while pipeline fills</li> <li>2. High volume vacuum relief during pump shutdown</li> <li>3. Discharge of air/gas from pressurized pipeline</li> <li>4. Surge abatement for high velocity start up conditions, column separation and fluid oscillation</li> </ol> |     |  |           |           |               |             |  |  |
| VALVE SIZES                           | 1&2 (inches)   |     |  |           |           |               |             |  |  |
| MAXIMUM DESIGN<br>OPERATING PRESSURES | Bar 25: 363 psi<br>Bar 40 :580psi  |     |  |           |           |               |             |  |  |
| VALVE CONNECTIONS                     | INLET:   |     | <ul> <li>Male NPT threaded</li> <li>1" and 2" only</li> </ul>        |           |           |               |             |  |  |
|                                       | OUTLET   |     | <ul><li>Swivel flanges available</li><li>Female connection</li></ul> |           |           |               |             |  |  |
| MATERIAL SPECIFICATIONS               | ANSI B16.5 CLASS 150, EXCEEDS AWWA C 512<br>304SS, 316SS, HDPE, UHMW-HDPE, Viton, EPDM   |     |  |           |           |               |             |  |  |
| VALVE TESTS                           | <ul> <li>Leak test up to 1.5 valve rated pressure</li> <li>Pressurized air release</li> <li>Low pressure leak test</li> </ul>  |     |  |           |           |               |             |  |  |
| DIMENSIONS (INCHES)                   | INLET<br>SIZE (in)   | Bar | MODEL  | A<br>(in) | B<br>(in) | C NPT<br>(in) | WT.<br>(lb) |  |  |
| APPROX. WEIGHTS (LBS)                 | 1  | 25  | 01WTR25TCS   | 4.72      | 10.2      | 1.7           | 10          |  |  |
|                                       | 1  | 40  | 01WTR40TCS   | 4.72      | 10.2      | 1.7           | 11          |  |  |
|                                       | 2  | 25  | 02WTR25TCS   | 6.5       | 11.78     | 2.0           | 20          |  |  |
|                                       | 2 40 02WTR40TCS 6.5 11.78 2.0 21   |     |  |           |           |               |             |  |  |

Information subject to change without notice Special orders are available

Vent-Tech WTR-C Valve – 3" & 4" Material Specifications

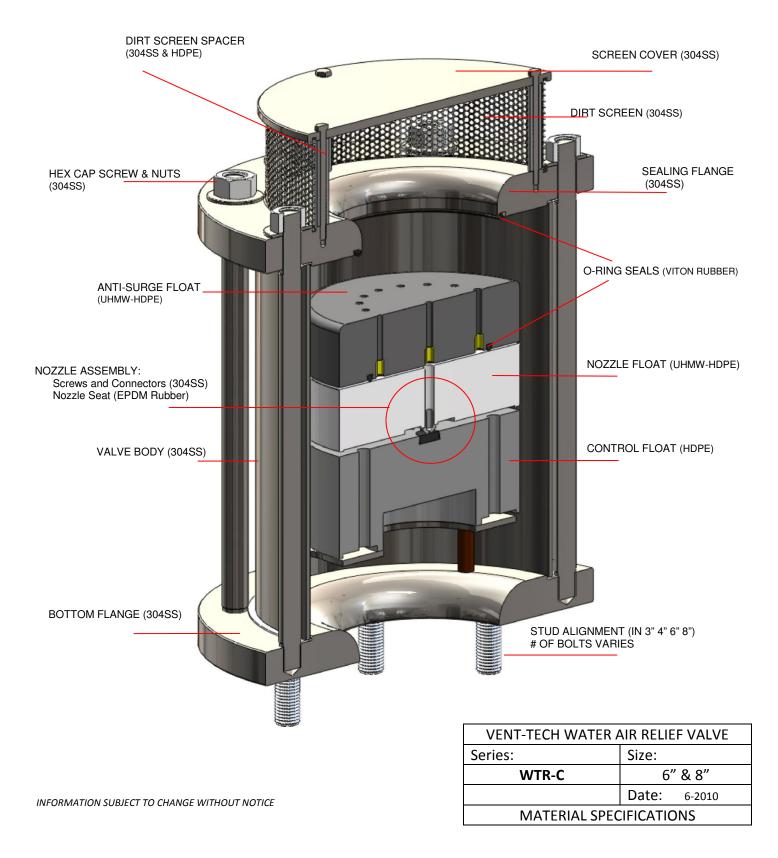


## Vent-Tech WTR-C Valve – 3" & 4" Material Specifications

| VALVE TYPE                                   | COMBINATION AIR RELIEF VALVE<br>HIGH PRESSURE WTR-C Series   |  |  |           |           |           |           |             |  |
|--|--|--|--|-----------|-----------|-----------|-----------|-------------|--|
|  | <ol> <li>VALVE OPERATIONS:</li> <li>1. High volume air evacuation while pipeline fills</li> <li>2. High volume vacuum relief during pump shutdown</li> <li>3. Discharge of air/gas from pressurized pipeline</li> <li>4. Surge abatement for high velocity start up conditions, column separation and fluid oscillation</li> </ol> |  |  |           |           |           |           |             |  |
| VALVE SIZES                                  | 3&4 (inches)   |  |  |           |           |           |           |             |  |
| STANDARD OPERATING<br>PRESSURES              | 25 BAR: 7.25 to 363 psi<br>40 BAR: 7.25 to 580 psi   |  |  |           |           |           |           |             |  |
| VALVE CONNECTIONS                            | INLET: BAF   | R 25   | <ul> <li>3" Studded ANSI B16.5 Class 150 Flange Screw Studs 4</li> <li>4" Studded ANSI B16.5 Class 150 Flange Screw Studs 8</li> </ul> |           |           |           |           |             |  |
|  | INLET: BAF   | R 40   | <ul> <li>3" Studded ANSI B16.5 Class 300 Flange Screw Studs 8</li> <li>4" Studded ANSI B16.5 Class 300 Flange Screw Studs 8</li> </ul> |           |           |           |           |             |  |
|  | OUTLET   | <ul><li>Swivel flanges available</li><li>Female connection</li></ul> |  |           |           |           |           |             |  |
| MATERIAL SPECIFICATIONS                      | ANSI B16.5 CLASS 150 and 300 EXCEEDS AWWA C 512<br>304SS, 316SS, HDPE, UHMW-HDPE, Viton, EPDM  |  |  |           |           |           |           |             |  |
| VALVE TESTS                                  | • Leak test up to 1.5 valve rated pressure • Pressurized air release<br>Low pressure leak test   |  |  |           |           |           |           |             |  |
| DIMENSIONS (INCHES)<br>APPROX. WEIGHTS (LBS) | INLET<br>SIZE (in)   | BAR  | MODEL  | A<br>(in) | B<br>(in) | C<br>(in) | D<br>(in) | WT.<br>(lb) |  |
| ()   | 3  | 25   | 03WTR25SCS   | 9.0       | 13.0      | 1.8       | 6.0       | 51          |  |
|  | 3  | 40   | 03WTR40SCS   | 9.0       | 13.0      | 1.8       | 6.625     | 54          |  |
|  |  |  |  |           |           |           |           |             |  |
|  | 4  | 25   | 04WTR25SCS   | 10.0      | 14.5      | 1.8       | 7.5       | 50          |  |
| Information subject to char                  | 4  | 40   | 04WTR40SCS   | 10.0      | 14.5      | 1.8       | 7.875     | 53          |  |

Information subject to change without notice Special orders are available

#### Vent-Tech WTR-C Valve – 6" &8" Material Specifications



## Vent-Tech WTR-C Valve – 6" &8" Material Specifications

| VALVE TYPE                                   | COMBINATION AIR RELIEF VALVE<br>HIGH PRESSURE WTR-C Series   |   |   |  |           |           |           |             |  |  |
|--|--|---|---|--|-----------|-----------|-----------|-------------|--|--|
|  | <ul> <li>VALVE OPERATIONS:</li> <li>1. High volume air evacuation while pipeline fills</li> <li>2. High volume vacuum relief during pump shutdown</li> <li>3. Discharge of air/gas from pressurized pipeline</li> <li>4. Surge abatement for high velocity start up conditions, column separation and fluid oscillation</li> </ul> |   |   |  |           |           |           |             |  |  |
| VALVE SIZES                                  | 6 & 8 (inches)   |   |   |  |           |           |           |             |  |  |
| STANDARD OPERATING                           |  | 25 BAR: 7.25 to 363 psi   |   |  |           |           |           |             |  |  |
| PRESSURES                                    | INLET: BA  |   | <ul> <li>8" Studded Al</li> <li>6" Studded Al</li> <li>8" Studded Al</li> </ul> | <ul> <li>6" Studded ANSI B16.5 Class 150 Flange Screw Studs 8</li> <li>8" Studded ANSI B16.5 Class 150 Flange Screw Studs 8</li> <li>6" Studded ANSI B16.5 Class 300 Flange Screw Studs 12</li> <li>8" Studded ANSI B16.5 Class 300 Flange Screw Studs 12</li> </ul> |           |           |           |             |  |  |
|  | OUTLET   |   | -   | <ul><li>Swivel flanges available</li><li>Female connection</li></ul>   |           |           |           |             |  |  |
| MATERIAL SPECIFICATIONS                      |  | ANSI B16.5 CLASS 150 and 300 EXCEEDS AWWA C 512<br>304SS, 316SS, HDPE, UHMW-HDPE, Viton, EPDM |   |  |           |           |           |             |  |  |
| VALVE TESTS                                  | <ul> <li>Leak test up to 1.5 valve rated pressure</li> <li>Pressurized air release</li> <li>Low pressure leak test</li> </ul>  |   |   |  |           |           |           |             |  |  |
| DIMENSIONS (INCHES)<br>APPROX. WEIGHTS (LBS) | INLET<br>SIZE (in)   | BAR   | MODEL   | A<br>(in)  | B<br>(in) | C<br>(in) | D<br>(in) | WT.<br>(lb) |  |  |
|  | 6  | 25  | 06WTR25SCS  | 14.3   | 19.5      | 2.1       | 9.5       | 152         |  |  |
|  | 6  | 40  | 06WTR40SCS  | 14.3   | 19.5      | 2.1       | 10.625    | 166         |  |  |
|  | 8  | 25  | 08WTR25SCS  | 16   | 22.0      | 2.1       | 11.75     | 214         |  |  |
| Information subject to cha                   | 8  | 40  | 08WTR40SCS  | 16   | 22.0      | 2.1       | 13.0      | 238         |  |  |

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