Balanced Triple Duty Valve
Straight Pattern
Performance Curves
Balanced Triple Duty Valve (Straight Pattern)

PERFORMANCE CHARACTERISTICS

Part No. 132160  Model No. 3DS-3B

FOR SYSTEM BALANCING

FLOW GPM (M³/HR)

△P FEET (M) OF WATER

FLOW GPM (M³/HR)

MINIMUM READING OF 3 FEET OF PRESSURE DROP REQUIRED FOR ACCURATE FLOW DETERMINATION

FOR SYSTEM PRESSURE DROP
Balanced Triple Duty Valve (Straight Pattern)

PERFORMANCE CHARACTERISTICS

Part No. 132161  Model No. 3DS-4B

FOR SYSTEM BALANCING

\[ \Delta P \text{ FEET (M) OF WATER} \]

\[ \text{FLOW GPM (M}^3/\text{HR}) \]

\[ \text{MINIMUM READING OF 3 FEET OF PRESSURE DROP REQUIRED FOR ACCURATE FLOW DETERMINATION} \]

FOR SYSTEM PRESSURE DROP

\[ \Delta P \text{ FEET (M) OF WATER} \]

\[ \text{FLOW GPM (M}^3/\text{HR}) \]
Balanced Triple Duty Valve (Straight Pattern)

PERFORMANCE CHARACTERISTICS

Part No. 132162  Model No. 3DS-5B

FOR SYSTEM BALANCING

FOR SYSTEM PRESSURE DROP

Curved Booklet
B-861
Balanced Triple Duty Valve (Straight Pattern)

PERFORMANCE CHARACTERISTICS

Part No. 132163  Model No. 3DS-6B

FOR SYSTEM BALANCING

FLOW GPM (M³/HR)

Δ P FEET (M) OF WATER

25 (7.6)
20 (6.1)
10 (3.0)
9 (2.7)
8 (2.4)
7 (2.1)
6 (1.8)
5 (1.5)
4 (1.2)
3 (0.9)
2 (0.6)
1 (0.3)

20% 40% 60% 80% 100%

MINIMUM READING OF 3 FEET OF PRESSURE DROP REQUIRED FOR ACCURATE FLOW DETERMINATION

FOR SYSTEM PRESSURE DROP

FLOW GPM (M³/HR)

Δ P FEET (M) OF WATER

25 (7.6)
20 (6.1)
10 (3.0)
9 (2.7)
8 (2.4)
7 (2.1)
6 (1.8)
5 (1.5)
4 (1.2)
3 (0.9)
2 (0.6)
1 (0.3)

20% 40% 60% 80% 100%
Balanced Triple Duty Valve (Straight Pattern)

PERFORMANCE CHARACTERISTICS

Part No. 132164  Model No. 3DS-8B

FOR SYSTEM BALANCING

<table>
<thead>
<tr>
<th>Cv</th>
<th>FLOW GPM (M³/HR)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 (0.6)</td>
<td>100 (23)</td>
</tr>
<tr>
<td>3 (0.9)</td>
<td>200 (45)</td>
</tr>
<tr>
<td>4 (1.2)</td>
<td>300 (68)</td>
</tr>
<tr>
<td>5 (1.5)</td>
<td>400 (91)</td>
</tr>
<tr>
<td>6 (1.8)</td>
<td>500 (114)</td>
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<tr>
<td>7 (2.1)</td>
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<td>800 (182)</td>
</tr>
<tr>
<td>9 (2.7)</td>
<td>1,000 (227)</td>
</tr>
<tr>
<td>10 (3.0)</td>
<td>1,500 (341)</td>
</tr>
<tr>
<td>20% (91)</td>
<td>2,000 (454)</td>
</tr>
<tr>
<td>40% (136)</td>
<td>3,000 (681)</td>
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</tbody>
</table>

FOR SYSTEM PRESSURE DROP

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MINIMUM READING OF 3 FEET OF PRESSURE DROP REQUIRED FOR ACCURATE FLOW DETERMINATION
Balanced Triple Duty Valve (Straight Pattern)

PERFORMANCE CHARACTERISTICS

Part No. 132165  Model No. 3DS-10B

FOR SYSTEM BALANCING

FLOW GPM (M³/HR)

25 (7.6)
20 (6.1)

\( \Delta P \) FEET (M) OF WATER

25\% 30\% 40\% 50\% 60\% 70\% 80\% 90\% 100\%

1 (0.3) 2 (0.6) 3 (0.9) 4 (1.2) 5 (1.5) 6 (1.8) 7 (2.1) 8 (2.4) 9 (2.7) 10 (3.0)

MINIMUM READING OF 3 FEET OF PRESSURE DROP REQUIRED FOR ACCURATE FLOW DETERMINATION

FOR SYSTEM PRESSURE DROP

FLOW GPM (M³/HR)

25 (7.6)
20 (6.1)

\( \Delta P \) FEET (M) OF WATER

25\% 30\% 40\% 50\% 60\% 70\% 80\% 90\% 100\%

1 (0.3) 2 (0.6) 3 (0.9) 4 (1.2) 5 (1.5) 6 (1.8) 7 (2.1) 8 (2.4) 9 (2.7) 10 (3.0)

MINIMUM READING OF 3 FEET OF PRESSURE DROP REQUIRED FOR ACCURATE FLOW DETERMINATION
Balanced Triple Duty Valve (Straight Pattern)

PERFORMANCE CHARACTERISTICS

Part No. 132166 Model No. 3DS-12B

FOR SYSTEM BALANCING

FLOW GPM (M³/HR)

MINIMUM READING OF 3 FEET OF PRESSURE DROP REQUIRED FOR ACCURATE FLOW DETERMINATION

FOR SYSTEM PRESSURE DROP

FLOW GPM (M³/HR)
Balanced Triple Duty Valve (Straight Pattern)

**PERFORMANCE CHARACTERISTICS**

Part No. 132167 Model No. 3DS-14B

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**FOR SYSTEM BALANCING**

- \( \Delta P \) (Feet of Water) vs Flow (GPM)
- **Cv** vs Flow (GPM)
- **MINIMUM READING OF 3 FEET OF PRESSURE DROP REQUIRED FOR ACCURATE FLOW DETERMINATION**

**FOR SYSTEM PRESSURE DROP**

- \( \Delta P \) (Feet of Water) vs Flow (GPM)
- **Cv** vs Flow (GPM)
Balanced Triple Duty Valve (Straight Pattern)

PERFORMANCE CHARACTERISTICS

Part No. 132168  Model No. 3DS-16B

FOR SYSTEM BALANCING

FLOW GPM (M³/HR)

FOR SYSTEM PRESSURE DROP

FLOW GPM (M³/HR)
1) The tissue in plants that brings water upward from the roots;
2) a leading global water technology company.

We’re a global team unified in a common purpose: creating innovative solutions to meet our world's water needs. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. We move, treat, analyze, and return water to the environment, and we help people use water efficiently, in their homes, buildings, factories and farms. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise, backed by a legacy of innovation.

For more information on how Xylem can help you, go to www.xyleminc.com