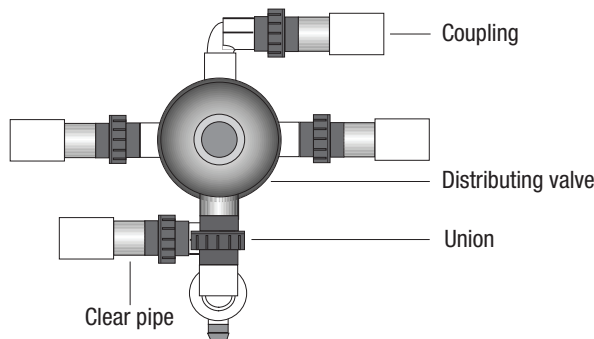


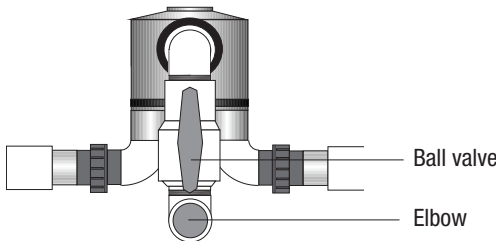
Distributing Valve Assemblies

Applications

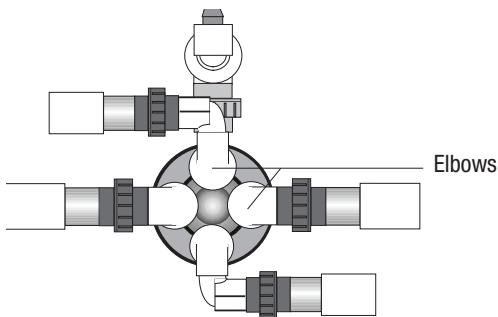
Orenco Distributing Valve Assemblies are used to pressurize distribution systems for multiple zones. They allow the use of smaller horsepower pumps because valve actuation is accomplished by a combination of pressure and flow. For example, a large community drainfield requiring 300gpm (18.93L/sec) can use a six-line valve assembly to reduce the pump flow rate requirement to only 50gpm (3.15L/sec).



Distributing valve assembly, top view



Distributing valve assembly, side view



Distributing valve assembly, bottom view

General

Orenco's distributing valve assemblies are mechanically operated and sequentially redirect the pump's flow to multiple zones or cells in a distribution system automatically.

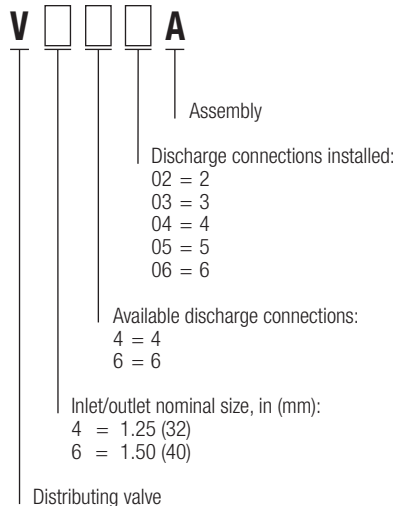
Orenco only warrants distributing valve assemblies when used in conjunction with Orenco's high-head effluent pumps and Biotube® pump vaults to provide pressure and flow requirements, and to prevent debris from fouling valve operation. An inlet ball valve, a section of clear pipe, and a union for each outlet are provided for a complete assembly that is easy to maintain and monitor. The ideal valve location is at the high point in the system.

For the most accurate information on pairing Orenco's pumps to its distributing valve assemblies, use Orenco's PumpSelect™ software.

Standard Models

V4402A, V4403A, V4404A, V4605A, V4606A, V6402A, V6403A, V6404A, V6605A, V6606A

Product Code Diagram



Not all product code configurations may be available as standard products.

Materials of Construction

All fittings	Sch. 40 PVC per ASTM specification
Unions	Sch. 80 PVC per ASTM specification
Ball valve	Sch. 40 PVC per ASTM specification
Clear pipe	Sch. 40 PVC per ASTM specification

Specifications

Model	Inlet size, in (mm)	Outlets size, in (mm)	Flow range, gpm (L/sec)	Max. head, ft (m)	Min. enclosure*
V4402A	1.25 (32)	1.25 (32)	10 – 40 (0.63 – 2.52)	170 (51.82)	VB1217
V4403A	1.25 (32)	1.25 (32)	10 – 40 (0.63 – 2.52)	170 (51.82)	VB1217
V4404A	1.25 (32)	1.25 (32)	10 – 40 (0.63 – 2.52)	170 (51.82)	VB1217
V4605A	1.25 (32)	1.25 (32)	10 – 40 (0.63 – 2.52)	170 (51.82)	RR2418
V4606A	1.25 (32)	1.25 (32)	10 – 40 (0.63 – 2.52)	170 (51.82)	RR2418
V6402A	1.50 (38)	1.50 (38)	15 – 100 (0.95 – 6.31)	345 (105.16)	RR2418
V6403A	1.50 (38)	1.50 (38)	15 – 100 (0.95 – 6.31)	345 (105.16)	RR2418
V6404A	1.50 (38)	1.50 (38)	15 – 100 (0.95 – 6.31)	345 (105.16)	RR2418
V6605A	1.50 (38)	1.50 (38)	15 – 100 (0.95 – 6.31)	345 (105.16)	RR2418
V6606A	1.50 (38)	1.50 (38)	15 – 100 (0.95 – 6.31)	345 (105.16)	RR2418

**When using an enclosed basin, choose the next larger-sized diameter.*