

Mix right every time

The Vortex™ provides precise mixing ratios from 1:1 to 99:1 at flow rates between 1.5 and 5 gallons per minute. Designed to handle a wide range of fluids including machining coolants, stamping lubricants, mold release agents, and grinding fluids—when consistency, reliability, and time are critical, trust the Vortex™ to deliver.

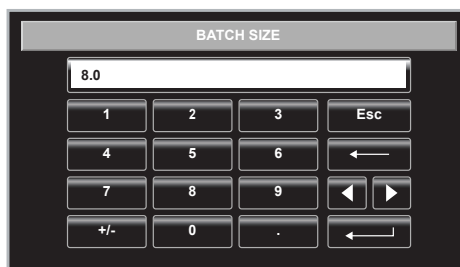
- **Reliable accuracy**
Exact ratios from 1:1 — 99:1
- **Easy digital control**
Quickly set mix ratios and batch sizes
- **Flexible dispensing**
Fill portable containers, holding tanks, or a central supply system
- **Real-time alerts**
Monitor usage and ensure accuracy
- **Fluid totalizer**
Keep track of total fluid consumption



As easy as...



1 Select mix ratio
1:1 — 99:1



2 Set batch size
For top-offs or automatic replenishment



3 PRESS MIX
It's that easy

Dispensing methods

Whether you need tank top-offs or full system distribution, the Vortex™ has you covered. Manually dispense a desired mix or trigger an automated batch refill from a tank's low level switch.



Hand nozzle



Holding tank



Central supply

MIX RATIO 5.0 : 1



Tamper-proof
mix lock

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Continuous monitoring

The system is designed to constantly monitor the mixing operation and create an alarm condition if a fault occurs. The Vortex™ features a warning light as well as an alarm notification to quickly troubleshoot issues.



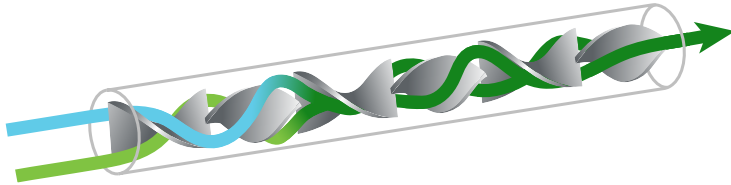
The Vortex™ monitors:

- Low concentrate level
- High/low mix tank level
- System performance
- Mix accuracy

Complete mixing

The Vortex™ utilizes an in-line static mixer to ensure a complete blend of water and concentrate. The design of the static mixer's internal fins force the water and concentrate to intermix.

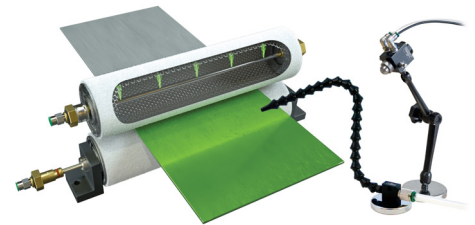
Patent-pending vacuum sensing technology ensures a more precise mix than traditional venturi systems, even when water pressure fluctuates.



Fluid savings

The Vortex™ takes the hassle out of mixing, ensuring consistent and reliable performance while saving you time and money.

Once your mixing process is dialed in, take fluid savings even further with Unist's precision application systems. From spray nozzles to roller applicators, we ensure every drop of fluid is used efficiently—eliminating waste, mess, and maximizing value.



Specifications

Power requirements

120/240 VAC single-phase, 3 amps,
50/60 Hz

Concentrate viscosity

1 — 1,000 cSt

Fluid mixing ratio range

1:1 - 99:1 (water:concentrate)

Air supply

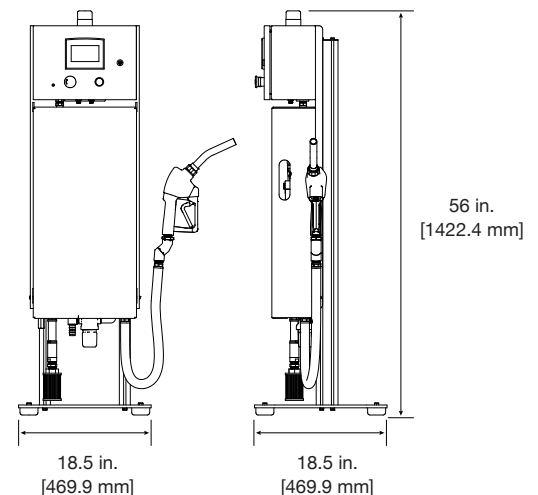
80-100 psi [5.5-6.9 bar],
5 SCFM for standard unit,
25 SCFM if equipped with
distribution pump

Water supply requirements

1-8.4 GPM [3.7-18.9 LPM],
reverse osmosis and deionized
water compatible

Weight

140 pounds [63.5 kg]



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