

## SOL XP Explosion Proof Ultrasonic Cleaners for Cleaning with Flammable Liquids

SOL XP Series bench top ultrasonic cleaners are fast, efficient and safe to use with flammable solvents such as isopropyl alcohol, ethanol, or acetone in the tank. Our table-top units provide the ultrasonic power density of the largest industrial systems. SOL XP ultrasonic cleaners are ideal for hands-free cleaning of medical and electronic devices using volatile solvents.

During normal operation SOL XP models release solvent vapor into the air. The tank can be set up either in a fume hood or in a Class I Division 1 hazardous duty area.

SOL XP models have ETL/Intertek Safety Certification. Methods for compliance with safety regulations include:

- Remote location of electrical panel and generator (outside the hood or hazardous duty area)
- Tank equipped with Intrinsically safe circuits (cannot generate a spark capable of vapor ignition)
- Nitrogen purged and pressurized transducer enclosure (system will not operate if pressure is lost)
- Self-closing tank lid for fire protection



### Optional Accessories for SOL XP include:

- Containment pan for solvent spills
- Stainless steel mesh basket
- Cooling jacket
  - Enables longer run time and reduces odor
  - Requires chilled water, 45°F, 0.25gpm
- Recirculating chiller for cooling jacket
- Solvent purification system
  - Includes activated carbon, deionization media, desiccant, and particulate filtration
  - Prevents redeposition of particles and soluble contaminants, extends the lifetime of the solvent, and reduces waste
  - Requires compressed air to drive pump
- Integrated laboratory fume hood with exterior-mounted electrical panel in compliance with Class I Division 1,2 code requirements



*Remote Electrical Panel*

## Specifications for Benchtop SOL XP Ultrasonic Cleaners and Baskets

Model	Tank Vol Gal	Internal Tank Dimensions DxWxH"	Overall Dimensions DxWxH"	Basket Dimensions DxWxH"	Ultrasonic Power (Watts)	Generator (Amps)
SOLXP33	<b>33</b>	18 x 24 x 18	24 x 38 x 25	16 x 18 x 12 or 13 x 21 x 6.5	1500	18
SOLXP15	<b>15</b>	14 x 20 x 14	20 x 34 x 21	13 x 19 x 6.5	1000	11
SOLXP9	<b>9</b>	12 x 18 x 12	18 x 32 x 19	11 x 17 x 6.5	750	8.4
SOLXP6	<b>6</b>	11 x 14 x 11	17 x 28 x 18	10 x 13 x 6.5	500	5.3
SOLXP4	<b>4</b>	12 x 8 x 10	16.15 x 18 x 16.25	11 x 7 x 4.25	500	3.1
SOLXP2	<b>2</b>	12 x 6 x 8	21 x 10 x 12	11 x 5 x 4.25	250	3.1

### All models have:

- 120V Generator voltage
- 40 kHz Ultrasonic frequency (alternate frequencies available on request)
- Stainless steel lid
- Remote electrical panel to be located outside hazardous duty area
- Customer-specified US or Canadian ETL/Intertek certification
- Warranty:

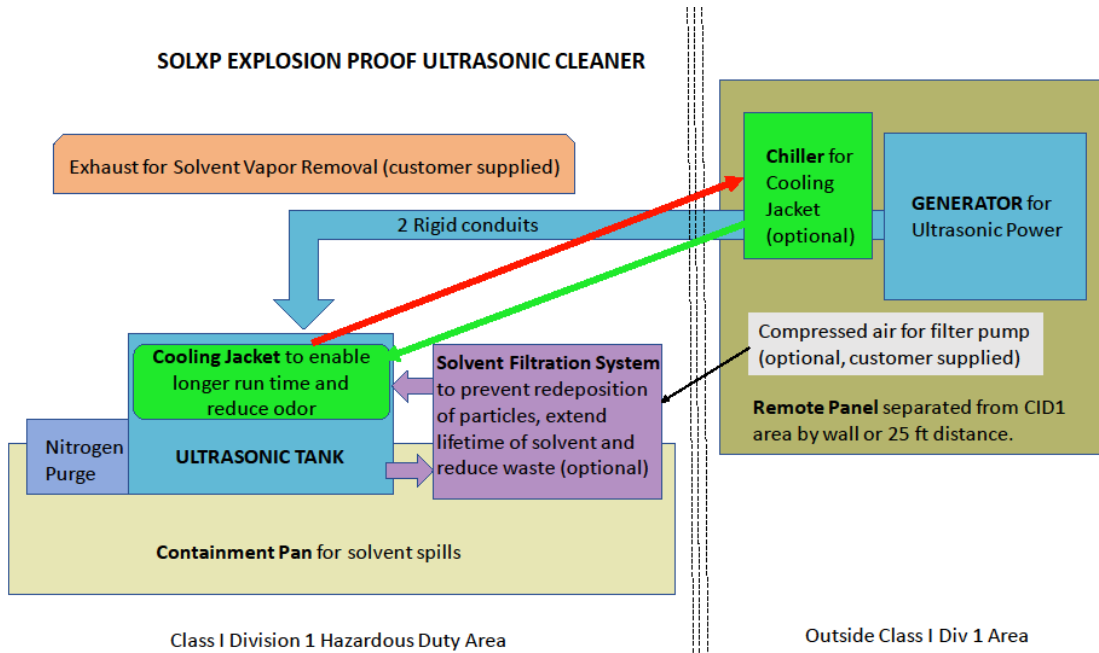
All products shall be free of defects in materials and workmanship under normal use for a period of one year from the date of delivery. All parts and materials are covered. Transducers have 10-year warranty; generators have 2-year warranty.



### Customer Supplied:

- Class I Division 1 area or suitable fume hood
- Ventilation system, 650 CFM minimum
- "Y" sealed rigid conduit connecting remote electrical panel to tank
- Nitrogen: 5 CFM at 33 psi. Significant flow required only at start up
- 120V 20 amp power hard wired to remote panel

## Representative Set Up for SOL XP with Options



4-gallon SOL XP Ultrasonic Cleaner installed in fume hood