



SR120-120V & SR180-180V



SR240-240V

DESCRIPTION	SR120-120V	SR180-180V	SR240-240V
<b>Weight (Empty)</b>	990 lb		1 260 lb
<b>Weight (Full)</b>	1,470 lb		1 817 lb
<b>Dimensions (H x W x D)</b>	85" x 73" x 46"		79 <sup>5</sup> / <sub>8</sub> " x 82 <sup>5</sup> / <sub>8</sub> " x 46"
<b>Boiler</b>			
<b>Volume</b>	45 US gal (170 L)	60 US gal (227 L)	73 US gal (292 L)
<b>Working capacity</b>	32 US gal (120 L)	48 US gal (180 L)	63 US gal (240 L)
<b>Material</b>	304 stainless steel		
<b>Wall thickness</b>	1/8"		
<b>Oil jacket</b>	1"		
<b>Insulation (wall/cone)</b>	4"		
<b>Inside diameter</b>	28"		
<b>Fill line</b>	1"		
<b>Pressure relief system</b>	1.5 psi		
<i>Rated for full vacuum to 100 psig. internal pressure to 600° F / 315° C.</i>			

DESCRIPTION	SR120-120V	SR180-180V	SR240-240V	(COMMON)
<b>Distillation rate (gal/h)</b>	6 to 10	7 to 15	4 to 6	of Toluene, MEK or Acetone. Other solvents vary depending on heat of vaporization
<b>Assembly requirement</b>	These SR are assembled as one complete unit and tested in our factory. Disassembled into (2) separate pieces: (1) the recycler and (1) the vacuum tank (option). The customer is responsible for providing electricity, compressed air, piping from the dirty solvent tank and piping to the clean solvent tank unless the optional hose kit was purchased			
<b>Clearance</b>	1 foot above and around the unit.			
<b>Utilities required : Electricity</b>	29A /380V 22.8A/480V 18.3A/600V	42A/380V 20A/480V 16.9A/480V	24.8A/480V 19.5A/600V	3 Ph. 60 Hz
<b>Vacuum options</b>	Compressed Air : 90 psig, 8 scfm, 1/4" diameter, NPT.			
<b>Heater</b>	10 kW	15 kW	18 kW	electric-resistance heater. (200° F to 550° F). All fittings and motors are Class 1, Div. 1, Group D
<b>Operating pressure</b>	Ambient to 450° F			
<b>Operating temp.</b>	Atmospheric to full vacuum (22" – 27.5" of mercury).			
<b>Heat up time</b>	30 – 45	20 – 30	20 – 30	(in minutes)
<b>Cool down time</b>	60 minutes. (can be longer depending on the type of solvent treated).			
<b>Feed</b>	Come standard with two 3/4" diaphragm pumps : 1 for loading dirty solvents into boiler and 1 to transfer the clean recycled solvent.			
<b>Vacuum</b>	Vacuum pump : air operated, requires clean air 80 psi, 5 cfm.			
<b>Pressure relief</b>	1.5 psi on the cover with progressive release of the over pressure.			
<b>Controls</b>	Microprocessor controlled. Unit is enclosed in an explosion proof container and is certified to operate in a Class 1, Div. 1, Group D environment.			
<b>Instrumentation</b>	Distillate / sludge, oil, cycle status, and safety status readings.			
<b>Shipping data</b>	55 x 80 x 86	55 x 87 x 86	(D x W x H) (inches)	
<b>Shipping Weight</b>	1,200	2,100	(lb)	
<b>Certification</b>	CSA certified USA and CAN, Class 1, Div. 1, Group D. All ISTpure recyclers meet the following NFPA <sup>1</sup> codes (30, 33, 70).			

<sup>1</sup> National Fire Protection Association; <http://www.nfpa.org/>

