



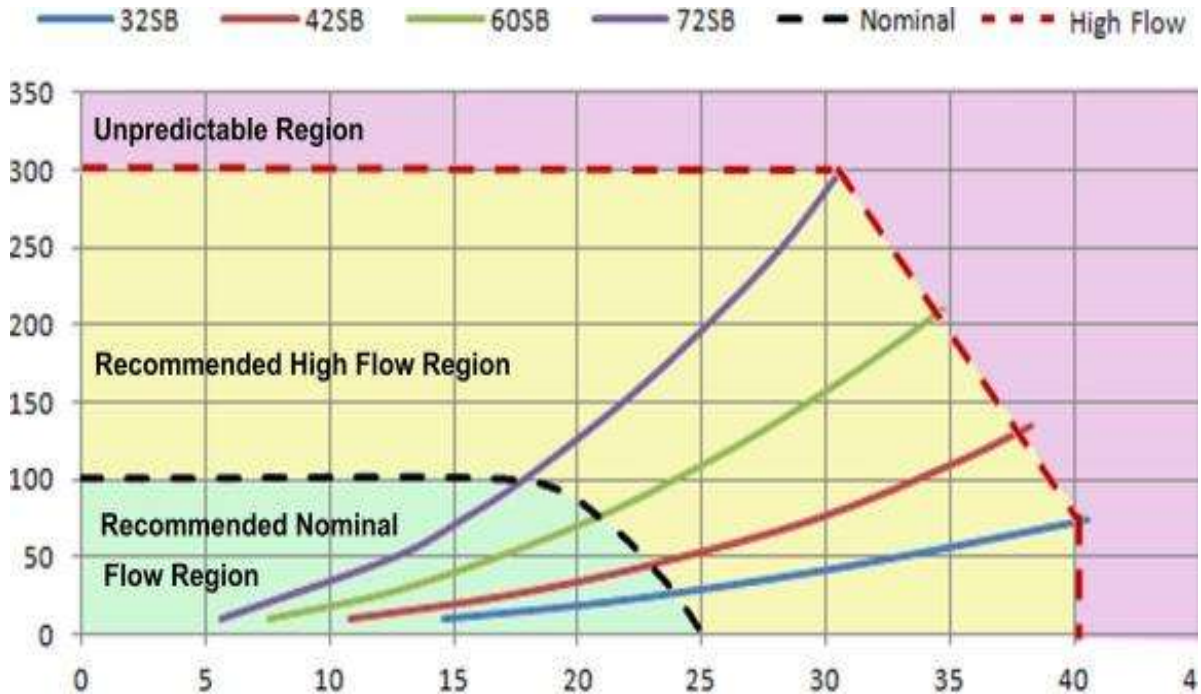
**Applications:**

- RO Pre-Treatment
- OWS Pre-Treatment
- Industrial Process Water
- Mining Water
- Agricultural Water
- Combined with Other Waste Water Treatment for Reuse of Process Water

**Four Standard Sizes Available**

- **MODEL 32SB: 25 gpm (5.6 m3/hr)**  
(Handles surges to 75 gpm (17 m3/hr))
- **MODEL 42SB: 45 gpm (10 m3/hr)**  
(Handles surges to 135 gpm (30 m3/hr))
- **MODEL 60SB: 70 gpm (16 m3/hr)**  
(Handles surges to 210 gpm (47 m3/hr))
- **MODEL 72SB: 100 gpm (23 m3/hr)**  
(Handles surges to 300 gpm (68 m3/hr))

**REMOVES SOLIDS AND MUD**



FLOW RATE VS PARTICLE SIZE @ 2.2 MICRON



## CHRISTOHOUSTON ENERGY INC.

## SPECIFICATIONS

<i>Specifications (Solids Only )</i>	<b>32SB</b>	<b>42SB</b>	<b>60SB</b>	<b>72SB</b>
<b>Capacity (gpm / M3/hr)</b>	25-75 / 5-17	45-135 / 10-30	70-210 / 16-47	100-300 / 22.5-67.5
<b>Height (inch / mm)</b>	80 / 2032	87 / 2210	100 / 2520	144 / 3225
<b>Width (inch / mm)</b>	40 / 1016	53 / 1346	65 / 1651	80 / 2032
<b>Depth (inch / mm)</b>	52 / 1321	66 / 1676	84 / 2134	94 / 2388
<b>Dry Weight (lbs / kg)</b>	2746 / 1246	3942 / 1789	5616 / 2548	7440 / 3375
<b>Wet Weight (lbs / kg)</b>	4145 / 1880	6341 / 2877	10514 / 4770	14200 / 6442

<b>Specifications</b>	<b>Value</b>	<b>Comments</b>
<b>Expected Solids Removal</b>	99+% down to 25 micron particle size High % down to as small	Much finer particle size than clarifiers, skimmers or hydrocyclone systems
<b>Solid Concentration</b>	Can handle up to 50% solids for short periods	No other solids removal system can handle high concentrations of solids
<b>Oil Removal</b>	NA	Not available with this model
<b>Turndown / Up</b>	1-300%	Can handle short term surges up to 3 times nominal flow
<b>Blowdown Requirements</b>	As needed	Blows down overboard or to settling
<b>Blowdown Discharge Pressure</b>	1 psig less than inlet pressure	
<b>Control System Type</b>	Relays / Lights / Switches	
<b>Control System Interface</b>	Extra dry contacts	
<b>Pressure Rating</b>	70 psig	Can handle various ranges of
<b>Operating Temp Range (process)</b>	5-40 C	Generally not affected by
<b>Single Phase Power Options</b>	110 - 220vac	Any 1 phase power option
<b>Three Phase Power Options</b>	210 - 575vac	Any 3 phase power option to
<b>Frequency</b>	50 or 60 Hz	
<b>Area Classification</b>	NEMA 4X	
<b>Control Valves</b>	Solenoid Type	
<b>Solids Level Control</b>	Timer or manual control valve	No transmitter measure solids – solids are discharged at a specific rate
<b>Blowdown Pump</b>	None	Blowdown is from inlet pressure
<b>Inlet Pressure</b>	> 5 psig inlet pressure needed	Process pump required if inlet pressure is too
<b>Vessel Metallurgy</b>	Carbon steel	1/8" corrosion allowance
<b>Internal Protection</b>	Anode protection	Option to galvanize inside
<b>External Protection</b>	Epoxy / urethane	
<b>Skid</b>	Included	
<b>Piping and Manual Valves</b>	Welded CS / 316 SS Air	