

A **Mechanical Condensate Pump** is a device specifically designed to collect and pump the condensate (water) or other liquids by compressed air or steam.

Advantages

- No need to electric power or level controls
- Good performance with a low filling head
- High reliability and low maintenance
- High-temp. condensate without cavitation
- stainless steel ball and internal mechanism
- Elimination of rotary elements



Operating Spec.

Parameter	KJ - CP1	KJ - CP2	KJ - CP3
Motive pressure (barG)	0.3 - 13.8		
Discharge per cycle (Liter)	8	14	30
App. Max Capacity (t/h)	2.5	4.1	10.2
Ave. Steam Consumption ¹	2		
Ave. Air Consumption ²	7		
Min. Filling Head ³ (mm)	490	635	820
Std. Filling Head ³ (mm)	740	920	1150
PMA (barG) ⁴	14		
TMA (°C) ⁵	220		
PMO (barG) ⁶	13.5		
TMO (°C) ⁷	200		

¹ (Kg/1000 Kg liquid) at 1 barg back pressure

² (M3 atmospheric pressure at 20°C / 1000 Kg liquid) at 1 barg back pressure

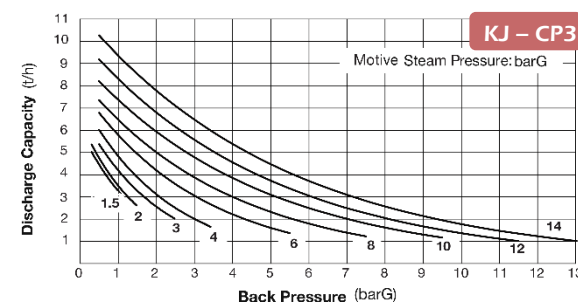
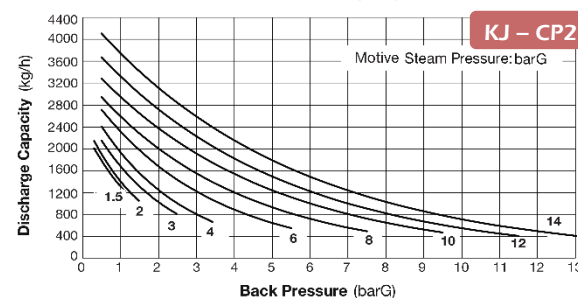
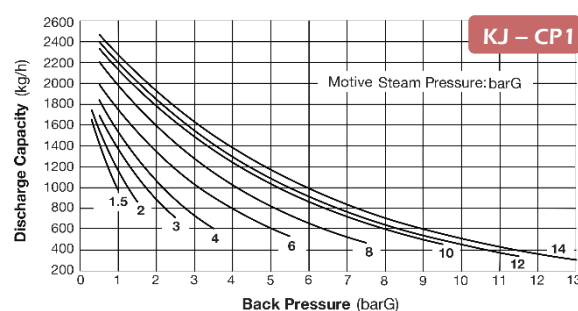
³ From base of condensate pump

⁴ Maximum allowable pressure

⁵ Maximum allowable temperature

⁶ Maximum operation pressure

⁷ Maximum operation temperature



Sizing Spec.

Parameter	KJ - CP1	KJ - CP2	KJ - CP3
Connection (Inches)	Inlet	3 FLG/NPT	2 FLG/NPT
	Outlet	2 FLG/NPT	1½ FLG/NPT
	Motive	½ NPT	
	Exhaust	½ NPT	
Dimension (mm)	A	510	600
	B	200	235
	D	260	310
	F	360	425

