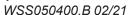
SEPARATOR SYSTEM SPECIFICATIONS (40 - 1200 GPM) WSS050400.B 02/21



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1.0)	cor ski	mpletely factory assemble	nall be designed for side str ed with solids separator, co e. Standard and optional fo	entrifug	al pump, NEMA 4x con	trol panel, carbon steel
		40 GPM @ 40TDH	Use CT-0040-40-MPK		40 GPM @ 80TDH	Use CT-0040-80-MPK
		65 GPM @ 40TDH	Use CT-0065-40-MPK		65 GPM @ 80TDH	Use CT-0065-80-MPK
		100 GPM @ 40TDH	Use CT-0100-40-MPK		100 GPM @ 80TDH	Use CT-0100-80-MPK
		160 GPM @ 40TDH	Use CT-0160-40-MPK		160 GPM @ 80TDH	Use CT-0160-80-MPK
		220 GPM @ 40TDH	Use CT-0220-40-MPK		220 GPM @ 80TDH	Use CT-0220-80-MPK
		300 GPM @ 40TDH	Use CT-0300-40-MPK		300 GPM @ 80TDH	Use CT-0300-80-MPK
		450 GPM @ 40TDH	Use CT-0450-40-MPK		450 GPM @ 80TDH	Use CT-0450-80-MPK
		600 GPM @ 40TDH	Use CT-0600-40-MPK		600 GPM @ 80TDH	Use CT-0600-80-MPK
		850 GPM @ 40TDH	Use CT-0850-40-MPK		850 GPM @ 80TDH	Use CT-0850-80-MPK
		1,200 GPM @ 40TDH	Use CT-1200-40-MPK		1,200 GPM @ 80TDH	Use CT-1200-80-MPK
MAT	ER	IALS_				
2.0)	BC	DY: Separator body shall	be sized according to conne	ction fit	tings:	
		1" separators will be supp	olied with Schedule 40 pipe b	odies.	(CT-0040-[]-[])	
		1 1/2" to 3" separators wi	Il be supplied with .104 thick	bodies	(CT-0065-[]-[] through (CT-0300-[]-[])
		4" to 6" separator shall ha	ave a body that is a minimum	of 3/10	6" thick. (CT-0600-[]-[] th	rough CT-1200-[]-[])
2.1)	HE	ADS: All heads supplied v	will be ASME code semi-ellipt	ical he	ads and be sized according	ng to connection fittings:
		1" separators will be supp	olied with four 6" diameter SA	\414G	.105" thick SE heads. (C	Γ-0040-[]-[])
		1 1/2" separators will be supplied with two 6" diameter SA414G .105" thick SE heads. (CT-0065-[]-[],				
		CT-0100-[]-[])				
			supplied with two 10" diame hick SE Head. (CT-0160)	ter SA	414G .105" thick SE hea	ds and one 6"
		3" separators will be supp	olied with two 10" diameter S.	A414G	.105" SE heads. (CT-022	20-[]-[], CT-0300-[]-[])
		4" to 6" separator shall have two SE heads that are a minimum of 3/16" thick. (CT-0450-[]-[] through				
		CT-1200-[]-[])				
2.2)	FE	ATURES:				
			orate center inlet with interna cator chamber, solid collect -[]-[])			
			corporate center inlet with inte spin trap plate with schedule			
		•	ncorporate center inlet with accelerator chamber, solid 160-[]-[])			•
			shall incorporate tangential ection chamber and spin trap			

SEPARATOR SYSTEM SPECIFICATIONS (40 – 1200 GPM)





2.3)		STANDARD MOTORIZED PURGE KIT (MPK): Shall be complete with adjustable repeat cycle timer, brass full port motorized purge valve, brass full port isolation ball valve, black iron street elbow, and extension nipple.
		OPTIONAL CONTINUAL PURGE PACKAGE (RT): Shall be complete with 304SS solids removal vessel with inlet and outlet isolation valves, 5 GPM brass flow control valve, adjustable differential pressure controller with pressure transducers, 25 micron filter bag and 304 stainless steel perforated support basket. Lid shall have 1/4" FNPT air release valve.
		OPTIONAL SEDIMENT DETECTION PURGE KIT (SED): Shall be complete with sediment detection sensor installed in the separator, a logic controller, brass full port motorized purge valve, brass full port isolation ball valve, black iron street elbow, and extension nipple.
2.4)	Pu cer	MP: Centrifugal pump shall come with TEFC premium efficient motor, 230/460 volts, 3 phase, 60 hertz. mp and motor shall be close coupled. Pump head shall be cast iron with cast iron impeller* with carbon, amic, and Buna-N seals. The mechanical seal shall be John Crane Type 21. [-0040-[]-[] to CT-0065-[]-[] have a 316SS head and impeller. CT-0850-40-[] has a bronze impeller.
2.5)	sw ala 460	NTROL PANEL: NEMA 4x control panel shall be factory complete with 120 volt panel transformer, tor starter and overload, main power disconnect switch with LED indicator, pump hand-off-auto itch and LED indicator, Purge hand-off-auto switch and LED indicator (MPK units only), and red rm indicator light. All components shall be CSA approved and UL listed. Standard supply voltage shall be DVAC, 3 phase, 60 hertz (other voltages available upon request). All models to have remote pump start ut terminals.
,	par	ID: Carbon steel fabricated skid shall be complete with standard channel and angle frame, and control nel support frame. Skid to be primed with a zinc rich primer and two part epoxy top coat. UMBING: Plumbing shall be complete and not limited to, separator inlet and outlet liquid filled pressure
	ga	uges, Sch. 40 steel pipe pump inlet manifold, Sch 80 pvc piping between the pump and separator.
2.8)	SE	PARATOR INSTALLATION: Shall be the following installation: (check one)
		FULL STREAM APPLICATION: Separator shall operate to maximum flow rate of the recirculation system.
		SIDE STREAM APPLICATION: Separator shall operate at $10-20\%$ of the flow rate of the recirculation system.
2.9)		TIONS: Separator system shall be supplied with the following optional items to complete installation: neck all that apply)
		AIR RELEASE (AR): 1/4" NPT air release valve located on the top dome of the separator.
		BASKET STRAINER (BS): Separator system shall be supplied with a basket strainer installed before the pump. The strainer shall be cast iron with a stainless steel basket.
		CLEAN OUT (C): Separator shall be supplied with clean out port located at or near the separator spin trap plate. Clean out port will be accessed when cleaning solids collection chamber.
		SUCTION DIFFFUSER (SD): Separator system shall be supplied with a suction diffuser in place of a basket strainer, installed before the pump. The suction diffuser shall be cast iron with a stainless steel basket.
3.0)		ARRANTY: Wingert Separator Sytems are guaranteed for one year from the date of shipment against nufacturing defects in material and workmanship which develop in the service for which they are designed.

in making repairs or adjustments. All replacements will be F.O.B. factory.

We will repair or replace defective material when returned to our factory with transportation prepaid: providing that the material is found to be defective upon inspection. We assume no liability for labor and/or other expenses