

TANK ROTATORS - TURNING ROLLS

Features:

- Heavy Duty Structure made out of fabrication steel.
- Extremely robust and vibration free.
- Stress relieved and Precision machine.
- Highly stable and accurate rotation even at low speeds.
- Back-lash free gear box ensures jerk free rotation.
- Sealed roller / ball bearings for long service life without maintenance.
- Sturdy rollers of Steel or PU moulded as per capacity & application.
- Unique design to self align rollers without free adjustment.
- Accommodates ovality or irregularity of the work piece.
- Irrespective of diameter job remains central to the frame of the rotator avoiding unnecessary adjustment of welding head.
- Single set consists of Drive unit and Idler unit.
- Optional Anti-Drift mechanism facility available.
- Suitable for interfacing with NC or CNC controllers.
- Heavy duty motors of 100% duty cycle.
- Heavy duty Variable Frequency Drive (VFD) for continuous operation without overheating and tripping.
- Supply input 380 - 415 VAC / 3-Phase / 50-60 Hz

Applications:

- Medium and Heavy duty application like API Pipes, Storage tank, Pressure vessel, Bullets, Condensers, Barrels, Heat exchanger etc.
- Suitable for TIG, MIG, MAG, Plasma welding.
- Also for SAW, Strip cladding and PTA welding.
- Multi application like Radiography or UT testing, Finishing, Inspection, Assembling, Cutting etc.

Specifications:

SELF CENTERING / ALIGNMENT TYPE

Model	Capacity (Ton)	Roller Dia (mm)	Roller Width (mm)	Job Dia (mm)		Motor Power (kw)	Roller Linear Speed	Speed Control
				min	max			
APWR05S	5	250	100	250	2500	2 x 0.75	6 m/hr. to 60m/hr or 1.6mm/sec to 16mm/sec	AC Motor Gear with VFD
APWR10S	10	300	120	320	3200	2 x 0.75		
APWR20S	20	350	150	500	3800	2 x 0.75		
APWR40S	40	400	160	600	4500	2 x 1.5		
APWR60S	60	450	180	750	5000	2 x 2.2		
APWR80S	80	450	240	850	5500	2 x 3		
APWR100S	100	500	240	1000	6300	2 x 3		
APWR150S	150	500	2 x 200	1000	6300	2 x 4		

Specifications are subject to change without notice

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CONVENTIONAL - LEAD SCREW & BOLT TYPE



Features:

- Heavy Duty Structure made out of fabrication steel.
- Extremely sturdy and vibration free.
- Highly stable and accurate rotation even at low speeds.
- Back-lash free gear box ensures jerk free rotation.
- Sealed roller / ball bearings for long service life without maintenance.
- Sturdy rollers of Steel or PU moulded as per capacity & application.
- Single set consists of Drive unit and Idler unit.
- Choice of Lead Screw type or Bolt type.
- Suitable for interfacing with NC or CNC controllers.

- Heavy duty motors of 100% duty cycle.
- Heavy duty Variable Frequency Drive (VFD) for continuous operation without overheating and tripping.
- Supply input 380 - 415 VAC / 3-Phase / 50-60 Hz

Specifications:

CONVENTIONAL BOLT TYPE

Model	Capacity (Ton)	Roller Dia (mm)	Roller Width (mm)	Job Dia (mm)		Motor Power (kw)	Roller Linear Speed	Speed Control
				min	max			
APWR02B	2	200	80	150	2000	2 x 0.18	6 m/hr. to 60m/hr or 1.6mm/sec to 16mm/sec	AC Motor Gear with VFD
APWR05B	5	250	120	250	2800	2 x 0.37		
APWR10B	10	300	130	300	3200	2 x 0.55		
APWR20B	20	350	180	500	4500	2 x 1.1		
APWR40B	40	400	220	500	5000	2 x 1.5		
APWR60B	60	450	2 x 180	500	5000	2 x 2.2		
APWR80B	80	450	2 x 180	800	6000	2 x 3		
APWR100B	100	500	2 x 200	800	6000	2 x 3		
APWR160B	160	600	2 x 200	800	6000	2 x 4		
APWR200B	200	700	2 x 250	800	6500	2 x 5.5		
APWR300B	300	800	2 x 300	800	6500	2 x 5.5		
APWR500B	500	800	2 x 350	1000	8000	2 x 7.5		
APWR800B	800	900	2 x 400	1000	8000	2 x 11		
APWR1200B	1200	1000	2 x 480	1000	8000	2 x 15		

CONVENTIONAL LEAD SCREW TYPE

Model	Capacity (Ton)	Roller Dia (mm)	Roller Width (mm)	Job Dia (mm)		Motor Power (kw)	Roller Linear Speed	Speed Control
				min	max			
APWR02L	2	200	80	150	2000	2 x 0.18	6 m/hr. to 60m/hr or 1.6mm/sec to 16mm/sec	AC Motor Gear with VFD
APWR05L	5	250	120	250	2800	2 x 0.37		
APWR10L	10	300	130	300	3200	2 x 0.55		
APWR20L	20	350	180	500	4500	2 x 1.1		
APWR40L	40	400	220	500	5000	2 x 1.5		
APWR60L	60	450	2 x 180	500	5000	2 x 2.2		
APWR80L	80	450	2 x 180	800	6000	2 x 3		
APWR100L	100	500	2 x 200	800	6000	2 x 3		
APWR160L	160	600	2 x 200	800	6000	2 x 4		
APWR200L	200	700	2 x 250	800	6500	2 x 5.5		
APWR300L	300	800	2 x 300	800	6500	2 x 5.5		
APWR500L	500	800	2 x 350	1000	8000	2 x 7.5		
APWR800L	800	900	2 x 400	1000	8000	2 x 11		
APWR1200L	1200	1000	2 x 480	1000	8000	2 x 15		

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