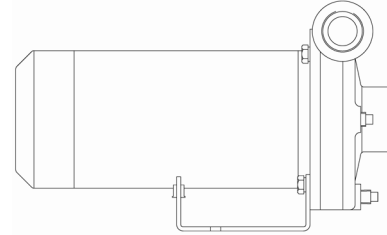




PRODUCT BULLETIN MODEL REC-SJ END SUCTION

American-Marsh Model REC-SJ End Suction pumps are used in a variety of industries. These efficient small centrifugal pumps are designed for long life and low operational costs. Each model is of the back pull out design so when the need arises for repair or inspection, system piping does not need to be disturbed. REC-SJ models offer tangential discharge and can be mounted in several different orientations. The REC-SJ product line surpasses other competitor product lines in that it is available in sizes 1x1.25-5 through 1.25x1.25-5.



Material Specifications

PART	CONSTRUCTION
	BRONZE FITTED
Casing	Cast Iron
Impeller	Bronze
Shaft	Stainless Steel
Case Wear Ring	Bronze
Bolts, Studs & Nuts	Steel
Mechanical Seal	Carbon/Ceramic/Buna
Voltage/Phase	230 Volt/Single

MODEL REC-SJ SPECIFICATIONS

Casing: The casing is constructed of high tensile cast iron or other specified material. It is of the volute type, carefully and accurately proportioned to permit smooth flow and to convert high velocity energy of the fluid as it leaves the impeller into pressure. Suction and discharge nozzles are casted integral with the volute and are NPT female. All REC-SJ models feature a 175 psi case working pressure. The casing has a cast integral tangential discharge ports. Necessary vent and drain openings are provided.

Impeller: The impeller is of the end suction type, casted in one piece of bronze. All impellers are hydraulically and dynamically balanced prior to assembly and are available in four (4) trims designed to maximize available horsepower.

Case Wear Ring: Standard enclosed impellers are designed with integral case wear rings accurately turned to

provide close running fits in casing. The diameters of these rings are such as to reduce end thrust to a minimum.

Casing Adapter: The casing adapter is constructed of cast iron and houses the mechanical seal.

Seal Chamber: The seal chamber is sized for a standard, front loading mechanical seal. The mechanical seal is constructed of a carbon rotary face, a ceramic stationary face and buna elastomers standard.

Motor: All REC-SJ models utilize American-Marsh, 56Y, square flange motors. Motors are available in TEFC enclosures, single phase and horsepowers from 1/2 through 1-1/2 HP.

INDUSTRIAL

Process, Transfer

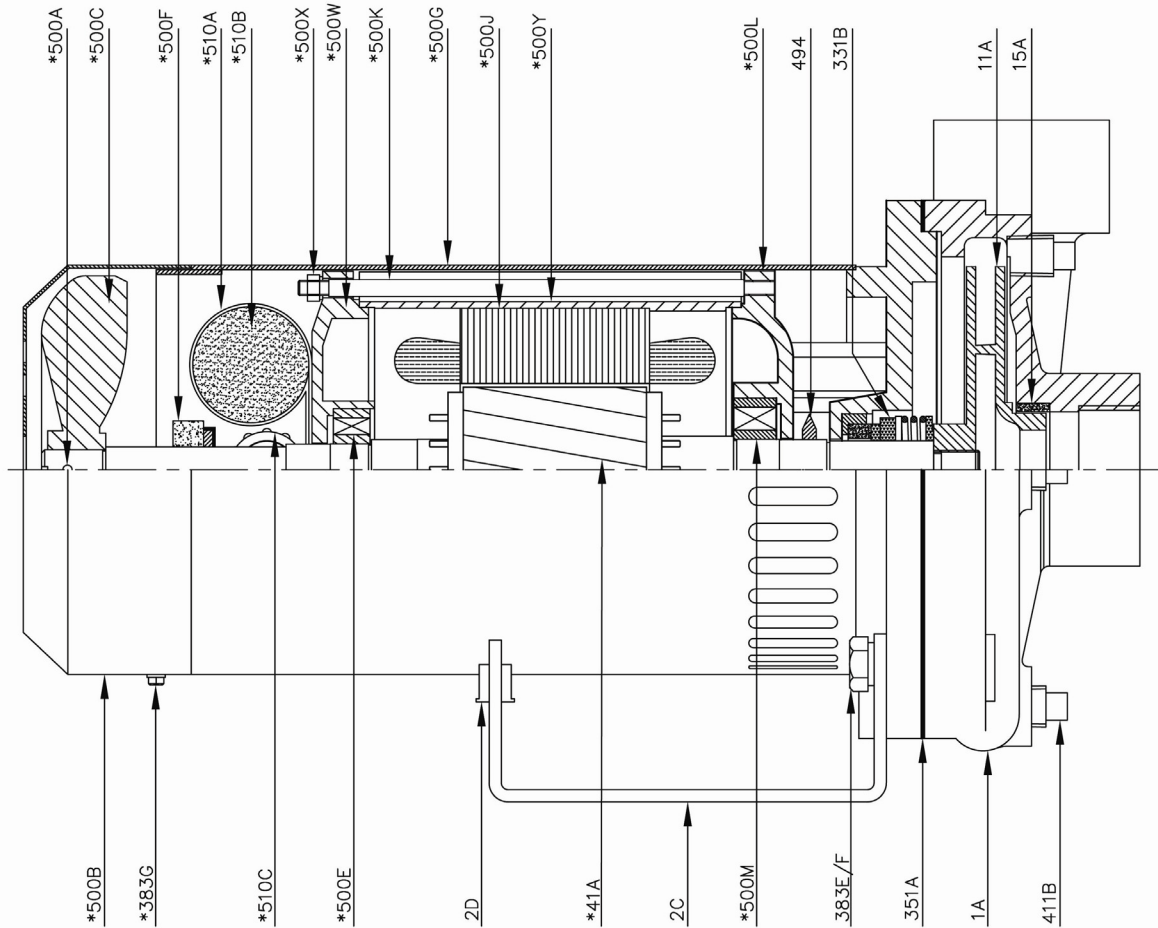
COMMERCIAL

HVAC, Booster, Condensate Return, Supply Water

MUNICIPAL

Quench Water, Filtration, Transfer, Filter Backwash, Circulation

PRODUCT BULLETIN
MODEL REC-SJ END SUCTION



REC-SJ Sectional Drawing

Item Number	Item Description	Num. Req.
1A	Casing	1
2C	Rubber Foot Mount	1
2D	Pump Foot	1
11A	Impeller	1
15A	Case Wear Ring	1
*41A	Shaft & Rotor Assembly	1
331B	Mechanical Seal	1
351A	Casing Gasket	1
383E/F	Casing Stud & Nut	4
411B	Plug, Drain	1
494	Shaft Deflector	1
*500A	Motor Cooling Fan Split Pin	1
*500B	Motor Cooling Fan Cover	1
*500C	Motor Cooling Fan	1

Item Number	Item Description	Num. Req.
*500E	Motor Outboard Bearing	1
*500F	Motor Terminal Board	1
*500G	Motor Outer Frame	1
*500J	Motor Stator Windings	1
*500K	Motor Tie Rod	4
*500L	Motor Inboard Cap	1
*500M	Motor Inboard Bearing	1
*500W	Motor Outboard Cap	1
*500X	Motor Hex Nut	1
*500Y	Motor Inner Frame	1
*510A	Motor Capacitor Clamp	1
*510B	Motor Capacitor	1
*510C	Motor Wiring Gland	1

*American-Marsh motor item.

Recommended spare parts are in BOLD.