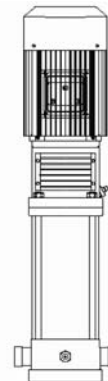




PRODUCT BULLETIN MODEL VM VERTICAL MULTISTAGE

American-Marsh Model VM Vertical Multistage pumps can be used in a variety of industrial, municipal, commercial, mining and agricultural applications. The VM product line is available in standard construction with cast iron suction and motor bracket or in all stainless steel construction. These pumps can be used in the package boiler feed market, used as jockey pumps in the fire protection market or as wash down pumps in the food industry. The VM product line is available in four sizes up to 100 GPM and heads up to nearly 900 Feet. To minimize footprint dimensions in the field the VM models feature inline suction and discharge connections that allow for minimum impact while in service. All models feature a removable and replaceable stack assembly for quick service.



Material Specifications

PART	CONSTRUCTION	
	STANDARD FITTED	ALL STAINLESS STEEL
Motor Top Bracket	Cast Iron	Stainless Steel
Motor Bottom Bracket	Cast Iron	Stainless Steel
Impeller	Stainless Steel	Stainless Steel
Shaft	Stainless Steel	Stainless Steel
Diffuser	Stainless Steel	Stainless Steel
O-Rings	Viton	Viton
Mechanical Seal	Carbon/Ceramic/Buna	Carbon/Ceramic/Buna

MODEL VM SPECIFICATIONS

Pump Base: The pump base is constructed of high tensile cast iron or other stainless steel material. It is 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 and are of the inline configuration. Nozzles are available in either a victaulic connection or ANSI flanged connections. All VM models feature a 300 psi case working pressure. Necessary vent and drain openings are provided.

Impeller: The impeller is of the end suction type, stamped and welded of stainless steel. All impellers are balanced prior to assembly. VM models are available in configurations from 2 through 18 stages.

Diffusers: The diffuser is constructed of stamped and welded stainless steel. All diffusers are register connected to the suction, discharge and other stages within the pump to minimize internal recirculation losses.

Mechanical Seal: The mechanical seal assembly is of the cartridge design and is designed to be removed and reinstalled in the pump quickly and efficiently.

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 VM models utilize standard, stocked, C-Face motors that are available in many different voltages, speeds and enclosures. Each motor can be removed from the unit without complete disassembly of the pump. Also, pumps can be stocked complete, less driver and fully assembled ready for usage when the need arises.

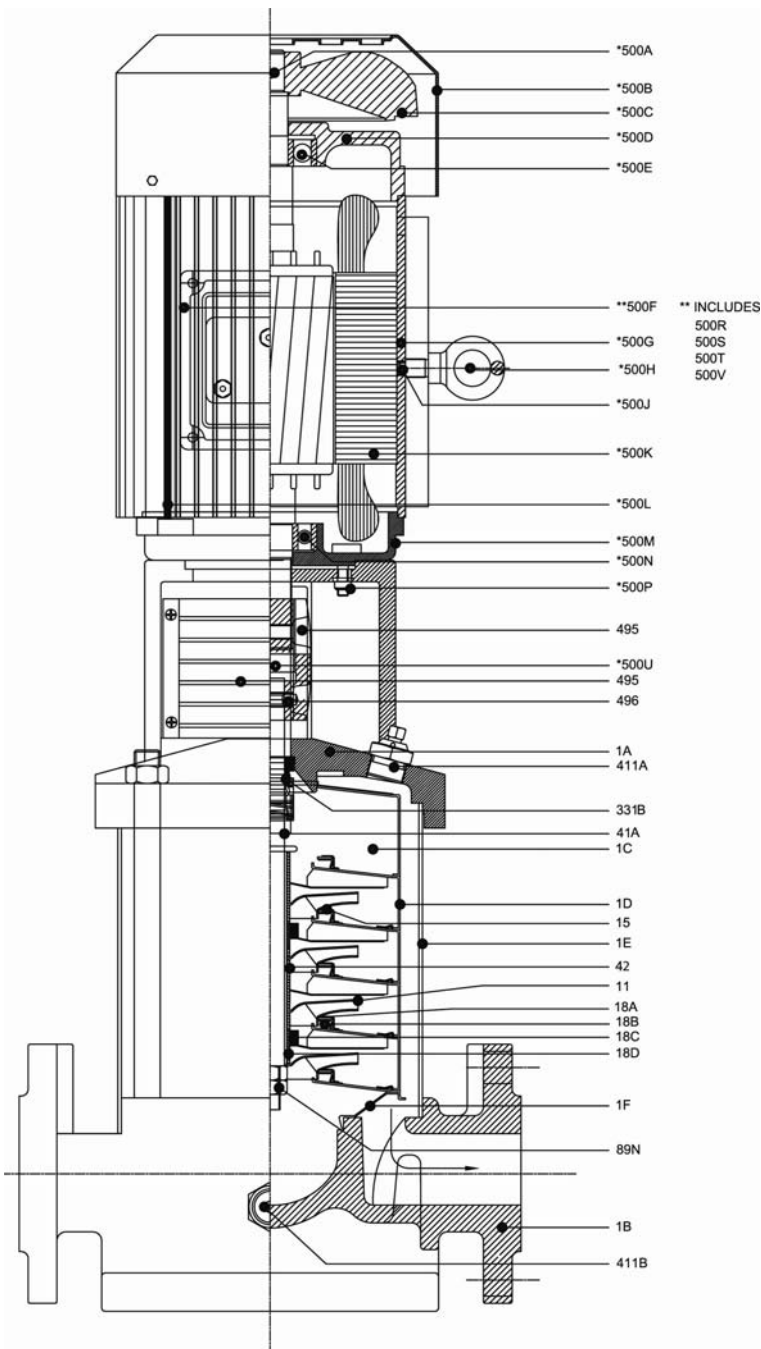
INDUSTRIAL
Process, Transfer,
Wash Systems

COMMERCIAL
HVAC, Booster, Fire Jockey Pump,
Supply Water, Boiler Feed

MUNICIPAL
Quench Water, Transfer, Circulation
Filter Backwash, Reverse Osmosis

PRODUCT BULLETIN
MODEL VM VERTICAL MULTISTAGE

VM Sectional Drawing



Item Number	Item Description	Num. Req.
1A	Top Pump Bracket	1
1B	Bottom Pump Bracket	1
1C	Pump Casing	1
1D	Casing Stage	Varies
1E	Pump Outer Shell	1
1F	Suction Casing	1
11	Impeller	Varies
15	Case Wear Ring	Varies
18A	Upper Guide Bearing	Varies
18B	Lower Guide Bearing	Varies
18C	Casing Bearing	Varies
18D	Guide Bearing	1
41A	Shaft	1
42	Shaft Sleeve	1
89N	Locknut	1
331B	Mechanical Seal	1
411A	Vent Plug	1
411B	Drain Plug	1
490	Split Coupling	1
495	Coupling Guard	1
496	Coupling Split Pin	1
*500A	Motor Cooling Fan Split Pin	1
*500B	Motor Cooling Fan Cover	1
*500C	Motor Cooling Fan	1
*500D	Motor Outboard Cover	1
*500E	Motor Outboard Bearing	1
*500F	Motor Terminal Box	1
*500G	Motor Frame	1
*500H	Motor Lifting Eye	
*500J	Motor Eye Bolt Set Screw	1
*500K	Motor Stator Windings	1
*500L	Motor Tie Rod With Nut	4
*500M	Motor Front Cover	1
*500N	Motor Inboard Bearing	1
*500P	Motor Stud	4
*500R	Motor Capacitor	1
*500S	Motor Top Cover	1
*500T	Motor Bottom Cover	1
*500U	Motor Shaft & Rotor	1
*500V	Motor Terminal Board	1

*American-Marsh motor item.

Recommended spare parts are in BOLD.