

Widethroat W Range

“Designed with an enlarged rectangular inlet and a screw conveyor for products that do not easily flow”.

Typical Applications

| | | |
|--------------------|------------------|----------------------------------------------------------|
| Capacity | up to 947 gpm | • Thickened sewage sludge, sludge cake, activated sludge |
| Pressure | up to 696 psi | • Pharmaceutical filter cake |
| Temperature | 14°F up to 212°F | • Sausage meat, citrus pulp, cocoa butter, potatoes |
| | | • Gluten, sugar starch |
| | | • Tannery fleshings |
| | | • Pastes of china clays, sandstone, cements |

Wide inlet with screw feeder

Assists products into the pumping element. Can handle highly viscous products, up to 1,000,000cP.

Optional large auger or bridge breaker design

Enables the pumping of de-watered sludges and slurries with dry solids content up to 40% (waste water).

Hopper length options

Designed to suit customer requirements.

Materials of construction

Available in cast iron or stainless steel, with a choice of rotor and stator materials to suit individual applications e.g. hard chrome plated rotor or natural rubber stator. Polished hopper and conveyor for food applications.

Low running speeds

Reduced wear for a longer working pump life which extends the periods between routine maintenance. Think of the savings that could be realized on abrasive applications.

Gentle pumping action

Minimizes shear and crush damage to the pumped product, whilst maintaining a steady flow when handling viscous products.

Plug-in shaft

Ease of maintenance when assembling or dismantling.

Sealed joints

Fully sealed drive train to maximize life and minimize downtime.

Robust drives

Specially selected drives and gearboxes for longer life. Options include electric motor drive units supplied as overhead v-belt driven, direct-coupled or variable speed drives with mechanical variable speed or frequency inverter.

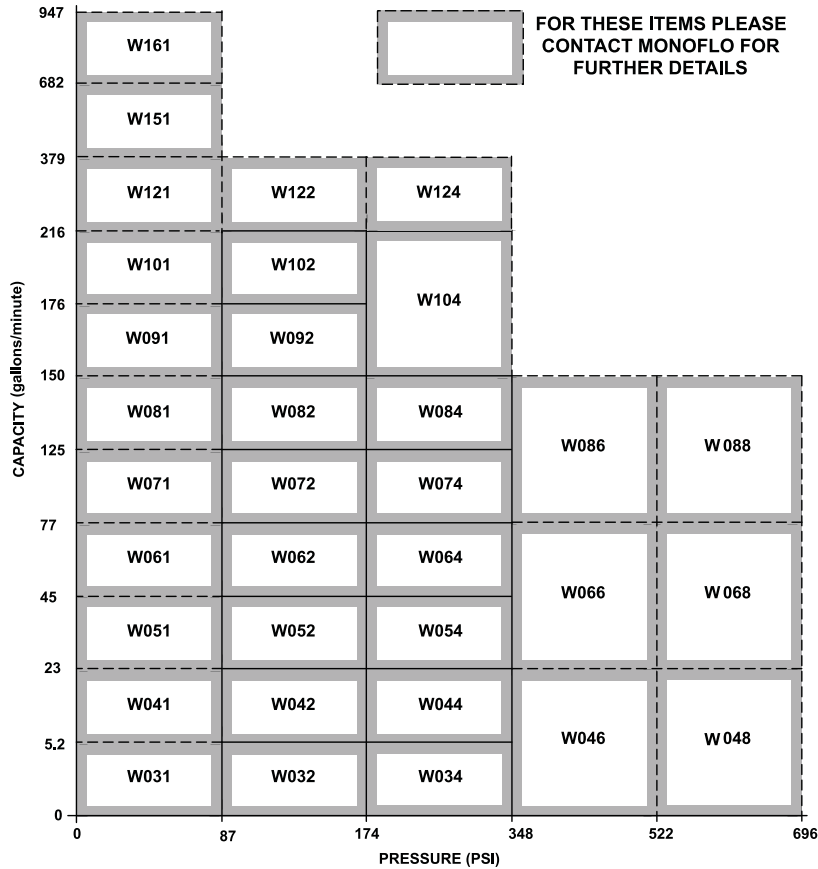
No valves

Reduced risk of blockage.



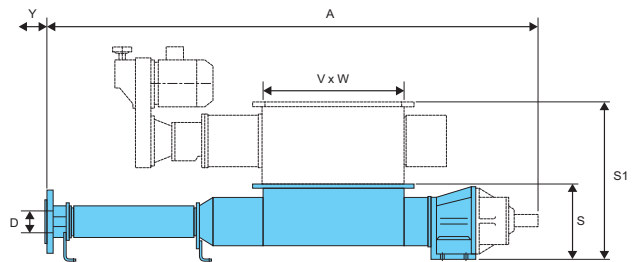
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Performance Data



Dimensions

| MODEL | STANDARD + BRIDGE BREAKER | | | | STD | BRIDGE BREAKER | LARGE AUGER | | | | ALL MODELS |
|-------|---------------------------|-----|---------|----|-----|----------------|-------------|---------|----|-------|------------|
| | Y | A | V x W | S | | | S1 | Y | A | V x W | |
| W032 | 28 | 46 | 13 x 7 | 7 | | | | | | | * |
| W034 | 30 | 65 | 13 x 7 | 8 | | | | | | | 2 |
| W041 | 33 | 52 | 14 x 10 | 9 | | | | | | | 3 |
| W042 | 33 | 60 | 14 x 10 | 9 | 16 | 30 | 73 | 30 x 10 | 11 | | 3 |
| W044 | 35 | 78 | 14 x 10 | 10 | 17 | 35 | 90 | 30 x 10 | 12 | | 3 |
| W051 | 41 | 63 | 20 x 10 | 10 | | | | | | | 3 |
| W052 | 41 | 73 | 20 x 10 | 10 | 17 | 30 | 79 | 30 x 10 | 12 | | 3 |
| W054 | 43 | 73 | 20 x 10 | 11 | 18 | 30 | 105 | 30 x 10 | 13 | | 4 |
| W061 | 50 | 73 | 26 x 14 | 11 | | | | | | | 4 |
| W062 | 50 | 89 | 26 x 14 | 12 | 20 | 41 | 98 | 39 x 14 | 15 | | 4 |
| W064 | 52 | 117 | 26 x 14 | 13 | 21 | 41 | 127 | 39 x 14 | 16 | | 6 |
| W071 | 51 | 80 | 26 x 14 | 13 | | | | | | | 6 |
| W072 | 51 | 95 | 26 x 14 | 13 | 21 | 40 | 105 | 39 x 14 | 16 | | 6 |
| W074 | 56 | 133 | 26 x 14 | 16 | 24 | 41 | 144 | 39 x 14 | 18 | | 6 |
| W081 | 51 | 82 | 26 x 14 | 13 | | | | | | | 6 |
| W082 | 54 | 102 | 26 x 14 | 13 | 22 | 41 | 113 | 39 x 14 | 20 | | 6 |
| W084 | 57 | 141 | 26 x 14 | 16 | 24 | 41 | 152 | 39 x 14 | 20 | | 8 |
| W091 | 61 | 95 | 32 x 18 | 14 | | | | | | | 8 |
| W092 | 61 | 113 | 32 x 18 | 14 | 23 | 41 | 120 | 39 x 18 | 20 | | 8 |
| W101 | 61 | 98 | 32 x 18 | 14 | | | | | | | 8 |
| W102 | 64 | 124 | 32 x 18 | 16 | 26 | 41 | 134 | 39 x 18 | 22 | | 8 |
| W121 | 63 | 110 | 32 x 18 | 18 | | | | | | | 10 |



* 1 1/2" NPT outlet provided
All dimensions in inches and for guidance only.

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Literature reference: MFI-W Flyer R1
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