

VISCID FLOW Pumps & Systems



SINGLE SCREW PUMPS

VFC/VFS Series

Construction :

- * **Casing:** cast iron/ CF8/ CF8M/ monel/ hastelloy
- * **Rotating parts:** SS304/ SS316/ monel/ hastelloy
- * **Stator:** Elastomer/ hypalon/ viton/ silicon/ neoprene/ EPDM
- * **Shaft sealing:** Gland packing/ mechanical sealing
- * **Universal joint:** Pin & bush/ carbon joint/ gear

Specification :

- * **Capacity:** 200 m³/hr
- * **Max Pressure:** 48 bar
- * **Max Temperature:** 200°C
- * **Max Viscosity:** 30,000 cst
- * **User industries:** Oil & Petro chemical, Effluent, Brewery, Ceramics, Chemical, Construction, Cosmetic, Mining, Paper, Paint, Sewage, Sugar, Textiles, etc.,
- * **Fluids Handled :** Oil sludge, Effluent Sludge, Acids, Acrylic Emulsion, Ceramic, Chemical Slurries, Emulsion, Paints, Magma, Molasses, Oil, Printing Ink, Solvents, Vegetable, Viscose, Yeast, etc.



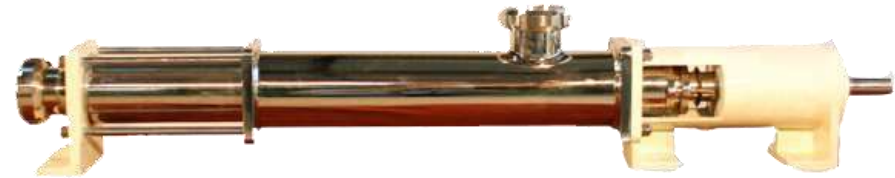
VFF Series

Construction

- * **Casing:** SS304/ SS316
- * **Rotating parts:** SS 304/ SS 316
- * **Stator:** Hygienic rubber/ silicon/ EPDM
- * **Shaft sealing:** Gland packing/ mechanical sealing
- * **Universal joint:** Pin & bush

Specification

- * **Capacity:** 100 m³/hr
- * **Max Pressure:** 24 bar
- * **Max Temperature:** 200°C
- * **Max Viscosity:** 100,000 cst
- * **User industries:** Bakery, Brewery, Confectionery, Cosmetics, Dairy, Edible Oil, Food Processing, Fruit Processing, Ice Cream, Malt & Cocoa, Pharmaceuticals, Winery, etc.
- * **Fluids Handled:** Apple Pulp, Beer, Beverages, Butter
- * Oil, Cream, Curd, Edible Gelatine, Fruit Juice, Fruit
- * Pulp, Glucose, Jam, Medical Formulation, Yeast,
- * Yoghurt, etc.



VFW Series (VFW-C/VFWF/VFW-S depending on application)

Provided with **AUGUR** and **CONNECTING ROD** to feed the media into the pump.

Construction (material selection based on application)

- * **Casing:** SS304/ SS316/ CF8/ CF8M/ monel/ hastelloy
- * **Rotating parts:** Alloy steel/ SS 304/ SS 316
- * **Stator:** Elastomer/ natural nitrile/ neoprene/ EPDM// hypalon/ viton/ silicon/ hygienic rubber
- * **Shaft sealing:** Gland packing/ mechanical sealing
- * **Universal joint:** Pin & bush/ carbon joint/ gear
- * **Augur:** Alloy steel/ SS304/ SS316

Specification

- * **Capacity:** 100 m³/hr
- * **Max Pressure:** 24 bar
- * **Max Temperature:** 200°C
- * **Max Viscosity:** 1,00,0,000 cst

User industries: Bakery, Brewery, Confectionery,

- * Dairy, Edible Oil, Food Processing, Fruit Processing,
- * Ice Cream, Malt & Cocoa, Dyestuff, Explosives,
- * Meat Processing, Paper & Pulp, Paint & Varnish,
- * Soap & Detergent, Sugar, Starch, etc.

Fluids Handled: Asbestos slurry, Butter, Cake mix,

- * Chyawanprash, Clay Slurry, Explosives Slurry, Fruit or
- * Vegetable mash, Lecetin, Putty, Starch slurry, Yoghurt,
- * etc.



VFG Series

- * We are one of the well-reputed Grouting Pumps Manufacturers in India. Our Pumps are manufactured with extremely high precision and accuracy giving our pumps a superior performance as well as a better life.

Construction (material selection based on application)

- * **Casing:** WCB/MS/EN8/EN31
- * **Rotating parts:** Tool steel/ HcHcr/D2/OHNS
- * **Stator:** Natural rubber
- * **Shaft sealing:** Gland packing/ mechanical sealing
- * **Universal joint:** Pin & bush/ carbon joint/ gear
- * **Augur:** Alloy steel/ SS410/EN19

Specification

- * **Capacity:** 100 m³/hr
- * **Max Pressure:** 24 bar
- * **Max Temperature:** 200°C
- * **Max Viscosity:** 1,00,0,000 cst

User industries: Civil construction works, Concrete mixing, Mining construction, Wall & Seal plastering, Cement grouting, self-leveling underlayment's, some repair mortars, plaster, fireproofing and most packaged grout mixes, heavily sanded grouts, and repair mortars etc.

Fluids Handled: Cement Slurry, Cement chemicals, Cement chips, Grout mixing, Concrete mixing, Neat cement, bentonite, cement/bentonite, ultrafine cement, cement/sand, non-shrink grouts, metallic grouts Etc.



VFBB Series (VFBB-C/VFBB-F/VFBB-S depending on application)

Provided with **BRIDGE BREAKER** to feed the solid cake into the rotor stator combination.

Construction (material selection based on application)

- * **Casing:** SS304/ SS316/ CF8/ CF8M/ monel/ hastelloy
- * **Rotating parts:** Alloy steel/ SS 304/ SS 316
- * **Stator:** Elastomer/ natural nitrile/ neoprene/ EPDM// hypalon/ viton/ silicon/ hygienic rubber
- * **Shaft sealing:** Gland packing/ mechanical sealing
- * **Universal joint:** Pin & bush/ cardon joint/ gear
- * **Bridge Breaker:** MS/ SS304/ SS316

Specification

- * **Capacity:** 100 m³/hr
- * **Max Pressure:** 24 bar
- * **Max Temperature:** 200°C
- * **Max Viscosity:** 1,00,0,000 cst
- * **User industries:** Bakery, Brewery, Confectionery,
Chemicals, Food Processing, Fruit Processing,
Meat Processing, Starch, etc.

- * **Fluids Handled:** Cake mix, Dough, Cheese, Mashs,
Paper Pulp, Grout With Gravel, etc.



VFV/VFB Series (vertical and barrel pumps)

Construction :

- * **Casing:** SS304/ SS316/ CF8/ CF8M/ monel/ hastelloy
- * **Rotating parts:** Alloy steel/ SS 304/ SS 316
- * **Stator:** Elastomer/ natural nitrile/ neoprene/ EPDM// hypalon/ viton/ silicon/ hygienic rubber
- * **Shaft sealing:** Gland packing/ mechanical sealing
- * **Universal joint:** Pin & bush/ cardon joint/ gear
- * **Specification**
- * **Capacity:** 100 m³/hr
- * **Max Pressure:** 24 bar
- * **Max Temperature:** 200°C
- * **Max Viscosity:** 1,00,0,000 cst
- * **User industries:** Brewery, Chemicals, Automobile, Food Processing, Malts & Coca, Paints & Dyes, Pharmaceuticals, etc.

- * **Fluids Handled:** Beer, Fruit Pulp, Hot Chocolate, Liquid Soap, Grease, Putty, Glucose, Drug Formulations, Syrup, Lubricating Oil, Furnace Oil, Paint, etc.



VFM Series

Construction :

An integral motor base eliminates the requirement of a base plate. Motor placed above bearing housing and driven by V-pulleys reducing space requirement.

- * **Casing:** cast iron
- * **Rotating parts:** Alloy steel/ SS 304/ SS 316
- * **Stator:** Elastomer/ natural nitrile/ neoprene/ EPDM
- * **Shaft sealing:** Gland packing/ mechanical sealing
- * **Universal joint:** Pin & bush/ carbon joint/ gear
- * **Specification**
- * **Capacity:** 60 m³/hr
- * **Max Pressure:** 6 bar
- * **Max Temperature:** 200°C
- * **Max Viscosity:** 100,000 cst

User industries: Coal mines, Construction,

- * Cosmetics, Detergent, Distillers, Dyestuff, Effluents,
- * Edible Oil, Fertilizer, Marine, Paper, Paints, Printing
- * Ink, etc.

Fluids Handled: Acids or Alkaline, Ceramic slurry,

- * Chemical Slurry, Cosmetics, Distillery, Dyestuff,
- * Magma, Molasses, Oil, Paint, Printing ink, etc.





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