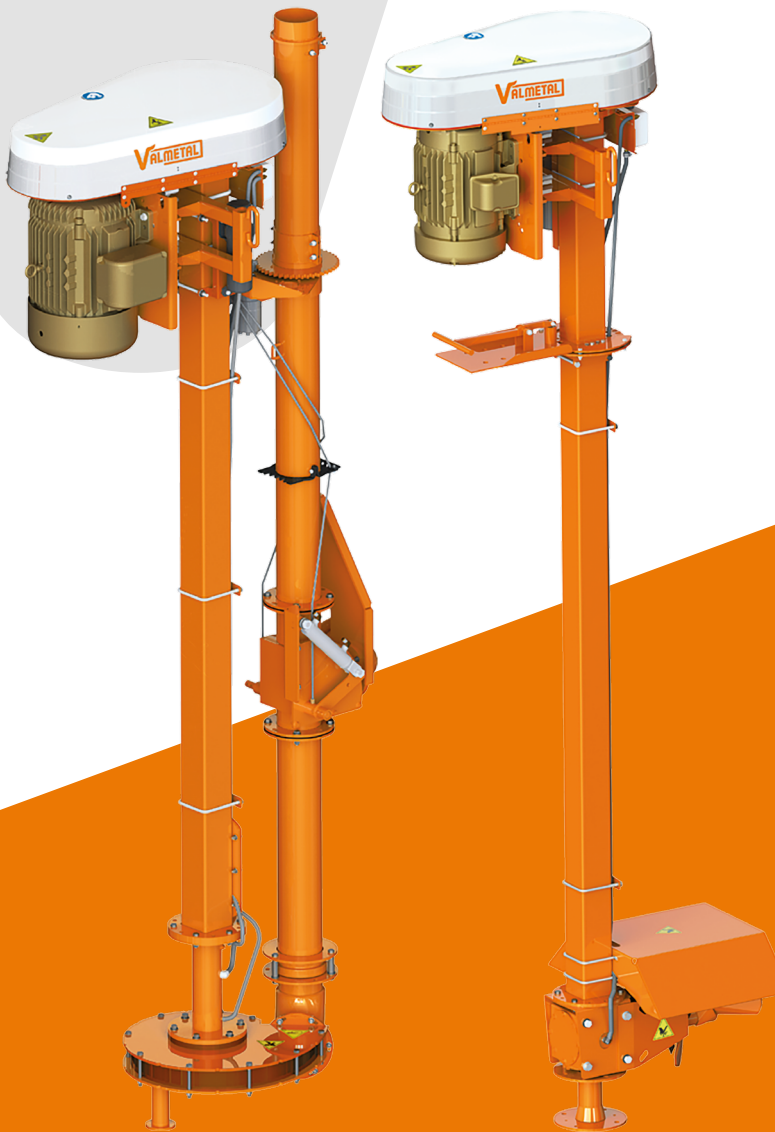




Electric pumps and agitators

Maximize your manure management



Vertical transfer pumps

Valmetal offers a variety of electrically driven Vertical transfer pump models from 6" to 20" (15 to 51 cm) in diameter to effectively transfer manure. All models can be equipped with a mixer for more homogeneous blending.

Benefits

- ✓ The efficient volute housing design delivers more flow on less power.
- ✓ The large blade spacing allows debris to pass through, resulting in long and trouble-free operation.
- ✓ The all-bolted construction makes parts replacement easy.
- ✓ Agitation controls are easy to operate and will not creep.
- ✓ The balanced driveline eliminates the need for intermediate bearings inside the beam.

Options & accessories

// Propeller on 12", 16" and 20" (30, 41 and 51 cm) models

// Abrasion-resistant Hardox steel on 12" and 16" (30 and 41 cm) models

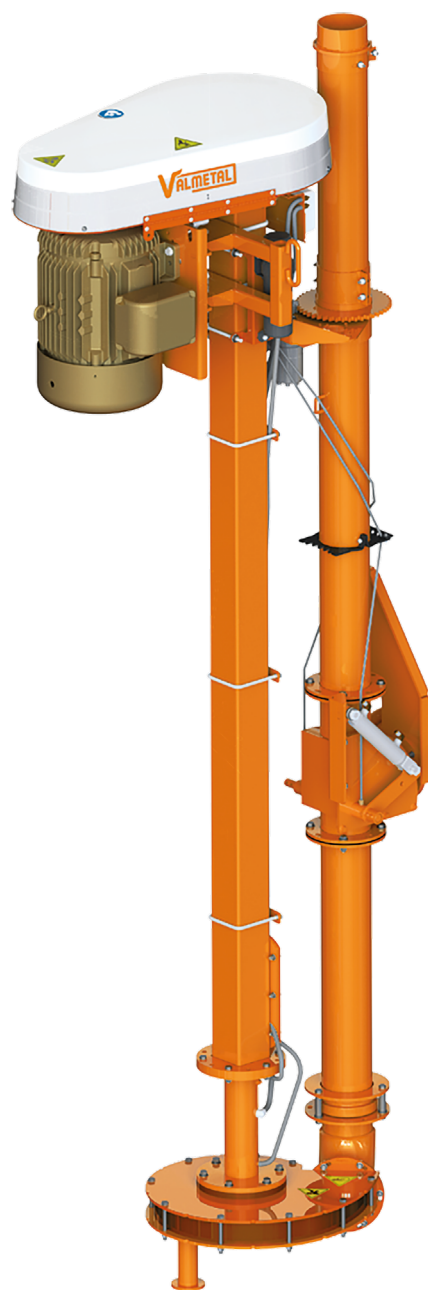
Features

Wide variety of mounting options to suit all needs

High volume discharge pipe

All-bolted construction

Abrasion-resistant Hardox steel on 20" (51 cm) model





6" and 8" models

The 6" and 8" (15 and 20 cm) Vertical transfer pumps are designed for wastewater, hog manure or other non-bedded liquid manures. The rubber lower bearing withstands milhouse chemicals and silo leachate, making these pumps the ideal choice for these tough jobs. For use in thin liquids / maximum slump test of 1/4" (6 mm).

The 6" (15 cm) version is direct-drive by a 5 HP motor for maximum simplicity. For larger jobs, choose the 8" (20 cm) belt-drive model for use with 7.5, 10 or 15 HP motors.

- ✓ Agitate small manure reception pits
- ✓ Transfer manure or wastewater to the main storage (4" or 6" (10 or 15 cm) transfer pipe)



12" and 16" models

The 12" and 16" (30 and 41 cm) Vertical transfer pump are designed for agitating and transferring liquid manure with short bedding. Use the efficient volute-housing for most applications or choose the round-housing model for thicker manure.

Choose from fixed mount, sliding mount, manual lift kit, or select the hydraulic lift kit for safe and easy pump service.

- ✓ Agitate large manure reception pits
- ✓ Transfer to long-term storage with 6" or 8" (15 or 20 cm) transfer pipe
- ✓ Volute models for thin slurry; max ½" (12 mm) slump test
- ✓ Round-housing models for thick slurry; max 1-1/4" (30 mm) slump test
- ✓ Manual or hydraulic-operated agitation controls



20" models

The 20" (51 cm) Vertical transfer pumps deliver powerful agitation and fast transfer of bedded manure. The large impeller blades handle debris and rougher bedding with ease. For use in regular slurry / maximum slump test of ¾" (18 mm).

Valmetal 20" (51 cm) pumps feature the innovative swivel-cannon agitation to provide coverage in every direction. Choose from floor or wall mount, or the hydraulic lift kit for safe and easy pump removal.

- ✓ Agitate large manure reception and storage pits
- ✓ Transfer slurry long distances with 8", 10" or 12" (20, 25 or 30 cm) transfer pipe
- ✓ Tanker load-out



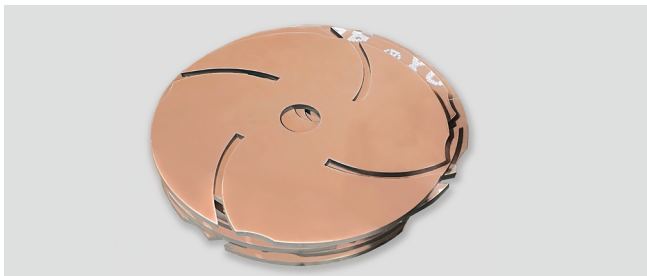
Agitation controls

Choose between manual, hydraulic agitation controls or transfer-only. Only our larger models (from 12" (30 cm)) can be equipped with hydraulic controls.



Agitation nozzle

Our smaller models (6" and 8") for highly liquid material can be equipped of a bottom-only agitation nozzle with 270 degrees rotation, while all other models can have an aimable 120 degrees vertical agitation nozzle with 270 degrees rotation.



Hardox Abrasion-Resistant

The feature of choice to deal with sand conditions: the Hardox AR. Available in option for 12" and 16" (30 et 41 cm) volute models and standard on our 20" (51 cm) models.

Call on our experts who will guide you through our many possible configurations.

Specifications

Model	Pit depth	Impeller	Impeller diameter	Main beam	Bottom bearing	Motor	GPM	Drive	Discharge pipe
6	4' t 12' (1.2 to 3.7 m)	1-3/8" (35 mm) 3-blade	6" (15 cm)	5" x 5" (13 x 13 cm)	Marine rubber	5 HP	150 - 480 GPM	Direct drive	4" (10 cm)
8	4' to 12' (1.2 to 3.7 m)	1-7/8" (48 mm) 4-blade	8" (20 cm)	5" x 5" (13 x 13 cm)	Marine rubber	7,5, 10 or 15 HP	300 - 700 GPM	Belt drive	4" (10 cm)
12	6' to 16' (1.8 to 4.9 m)	2-3/4" (70 mm) 4-blade	12" (30 cm)	5" x 5" (13 x 13 cm)	5-seal chamber Oil bath	7,5 to 30 HP	400 - 1,800 GPM	Belt drive	6" (15 cm)
16	6' to 16' (1.8 to 4.9 m)	2-3/4" (70 mm) 5-blade	16" (41 cm)	5" x 5" (13 x 13 cm)	5-seal chamber Oil bath	10 to 40 HP	500 - 2,500 GPM	Belt drive	6" (15 cm)
20	6' to 16' (1.8 to 4.9 m)	4-15/16" (125 mm) 5-blade	20" (51 cm)	8" x 8" (20 x 20 cm)	5-seal chamber Oil bath	50 or 75 HP	1,200 - 4,000 GPM	Belt drive	8" (20 cm)

Vertical prop agitators

Vertical electric agitators are installed in the receiving pits and are used to chop and mix the litter and manure into a more homogeneous liquid.

The uniform consistency of the manure facilitates pumping and allows separation systems to operate smoothly. Designed for 6' to 20' (1.8 m to 6 m) deep pits.

Features

2-blade AR propeller 23" (58 cm)

Belt drive from 7.5 to 25 HP

5" x 5" (13 cm X 13 cm) square beam

Single or twin motor

Floor mount with locking swivel

Heavy-duty balanced driveline

Oil reservoir for gearbox

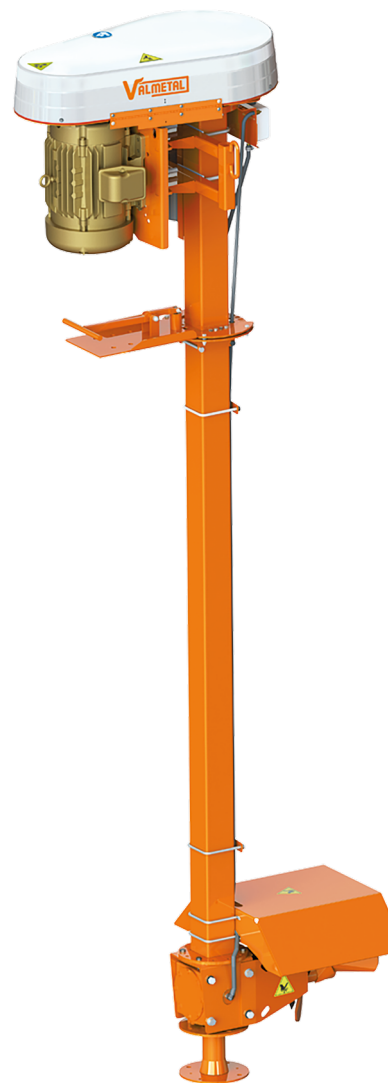
Benefits

- ✓ Unique 2-blade propeller delivers aggressive agitation.
- ✓ Propeller is mounted on an oversized gearbox, assuring long life.
- ✓ Heavy-duty motor mount keeps belts aligned.
- ✓ The exceptional agitator performance keeps separator systems operating at peak efficiency.
- ✓ Unit can rotate to aim the propeller in different directions.

Options & accessories

// Propeller shroud

// Agitator foot with 16" (41 cm) spike





Quickly chops bedding

The back edge of the propeller is machined to scissor material against the hardened stationary knife edges and so reduces bedding length.

Faster mixing with less energy

The large 2-blade propeller mixes and homogenizes manure in less time than 3-blade propellers, so you need fewer hours of operation and less electricity.

Heavy duty from top to bottom

The 3-1/2" (9 cm) diameter driveline smoothly delivers power from top to bottom without the need for intermediate bearings, resulting in less maintenance or repair.

Specifications

Manure slump	Agitation power (rule of thumb)
1" (25 mm)	1 HP / feet
1-1/2" (38 mm)	1.5 HP / feet
2" (50 mm)	2 HP / feet

Automate your manure handling system

With our vast selection of products, Valmetal can create the perfect system for your needs. Whether manure collection, transfer, separation, or treatment, Valmetal has the expertise and experience to fully automate the complete process, reducing labor time & expense while producing a clean environment for you and your animals.

All our controls are developed and manufactured in our own facilities, ensuring perfect compatibility with the equipment, and supported by our in-house technical staff.

Features & accessories for professional users:

- Level monitoring & flow controls
- Load sensing and adjustment
- Service scheduling
- Remote management and reports
- Remote alerts



Schedule, operate,
and monitor your
system using the
Valmetal app.

Specifications, descriptions and illustrative material in this literature are as accurate as known at the time of publication, but are subject to change without prior notice. Illustrations may include optional equipment and accessories, and may not include all standard equipment.



CANADA
Quebec

UNITED STATES
Wisconsin
California

info@valmetal.com