

SCHOLD HEAVY DUTY HIGH SPEED DISPERSERS



SCHOLD
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Southern Midwest

1-800-RGD-MIXR

1-800-4MIXERS

SCHOLD RESEARCH & DEVELOPMENT, INC. Tel: 813-576-1132
708-458-3793

VHS

VHS 500/600 Heavy Duty High Speed Dispersers

Schold 500 and 600 Series VHS Dispersers... 25 through 60 HP... are designed to handle a wide range of materials of varying viscosities common to the coatings, ink, dye, chemical and adhesive industries.

This series offers a wide speed range... from 700 to 2800 RPM for maximum flexibility of operation in small to large batches... infinitely variable speed by mechanical hand wheel control. Pneumatic and hydraulic controls are available as an option.

VHS Series Dispersers are based on Schold's field-proven heavy-duty, high-speed disperser design, featuring our precision tapered and turned tool steel agitator shaft for a high-efficiency, more stable dispersion operation. The rugged frame and gusseted base and bearing housing assure extreme stability at higher speeds for tough batching production.

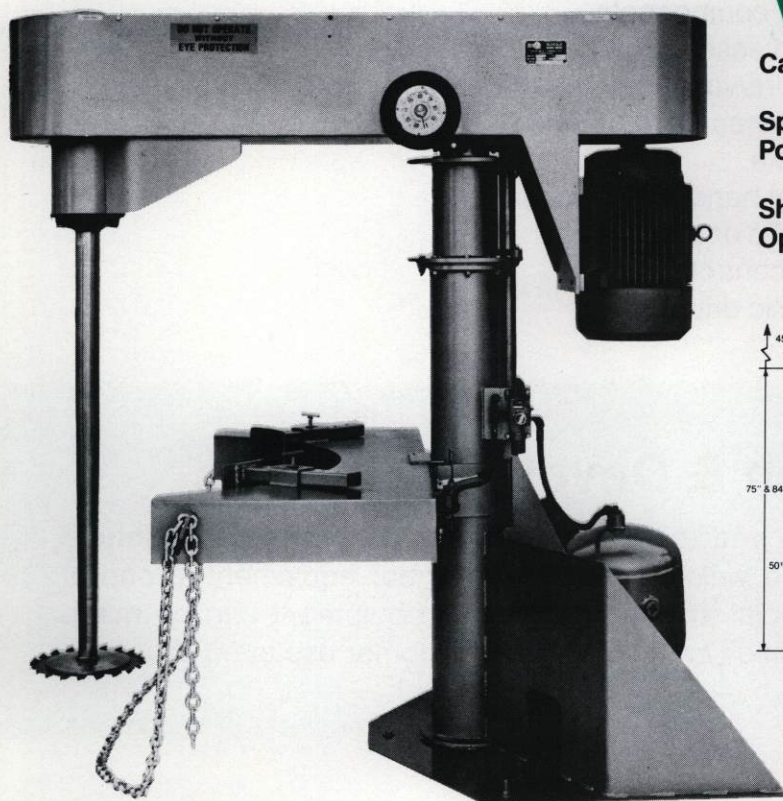
Piston rises of 45" and 54" (56" on VHS 600) are standard. Others are available. Other features include a two-piece cylinder for easier maintenance; a wider bearing spread in the

hydraulic ram assembly; easily replaceable double torque rod bearings; high quality brass hand and foot valves with two-action operation for safety; and heavy-duty piloted flange bearings for longer, more continuous service at high speeds.

A 3" OD precision, taper-turned agitator shaft with .003" TIR max. shaft run-out and 8" or 10" clamp and drive flanges is standard on VHS 500 models. VHS 600 models feature a 3½" OD shaft. Two high-speed blades are supplied on all models.

VHS Series Dispersers are designed to satisfy the needs of nearly every high-speed application. However, Schold engineers can easily modify existing designs to fit specific needs, or design and build custom equipment for specialized applications.

Longer life and more dependable performance are your best assurance of more efficient, troublefree operation. Schold products have a history of dependability second to none.



Shown with optional
air lock tub holder

12" and 14" blades included.

VHS 500 Series – 25 and 30 HP

Capacity: Up to 300 gallons dispersion volume in most cases

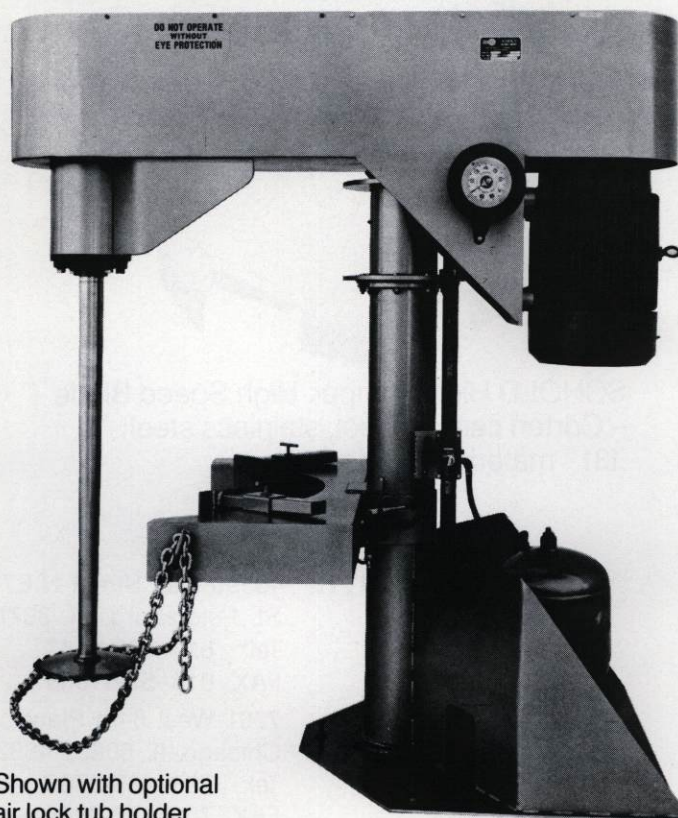
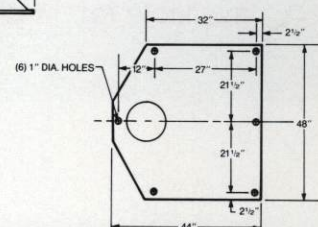
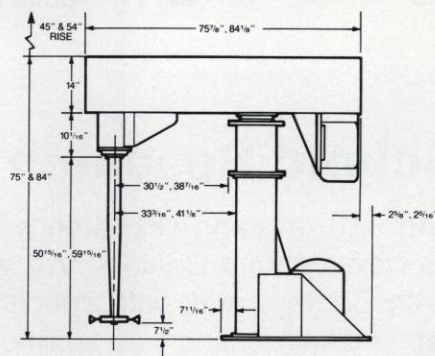
Speed: Infinitely variable from 700 to 2800 RPM*

Power: 230/240 volt, 60 Hz, 3-phase, constant torque, multilabel explosion-proof motor

Shaft OD: 3"

Options:

- Hydraulic drive
- Extended piston rise
- Stainless steel shaft
- Air lock tub holder
- Tank mounted



Shown with optional
air lock tub holder

VHS 600 Series – 40, 50 and 60 HP

Capacity: Up to 500 to 600 gallons dispersion volume

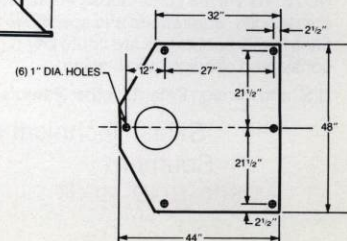
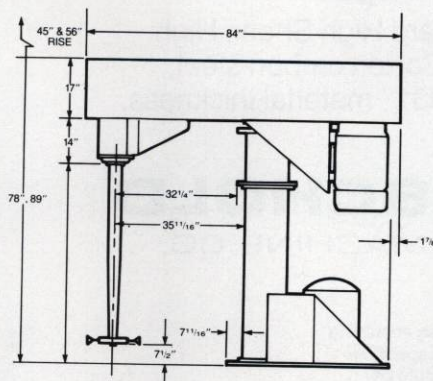
Speed: Infinitely variable from 700 to 2800 RPM*

Power: 230/240 volt, 60 Hz, 3-phase, constant torque, multilabel explosion-proof motor

Shaft OD: 3 1/2"

Options:

- Extended piston rise
- Multi-position index
- Stainless steel shaft
- Air lock tub holder
- Tank mounted



14" and 16" blades included.

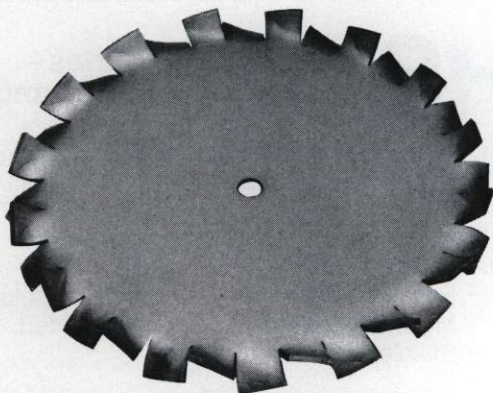
*NOTE: These units are also available with intermediate shaft (jackshaft) design for slower speeds or special applications.

Other options available:

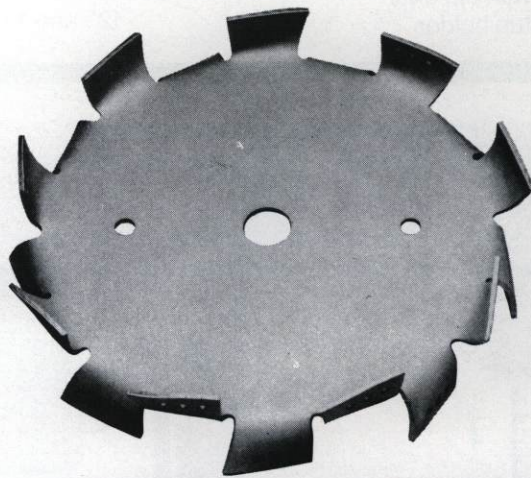
- Tachometers
- Ammeters
- Heavy-duty adjustable air lock tub holder
- Safety switches
- Pumps
- Special voltages
- Special speeds
- Stainless steel
- Electric components
- Mixing vessels (pressure/vacuum)
- Mezzanines, ladders and cat walks
- Material handling devices
- Hydraulic or pneumatic speed controls
- Hydraulic drives

Schold Research & Development, Inc.

A continuing and ongoing research and test program is carried out at the Schold Research & Development Centers. We welcome your tests of our equipment at one of our Research Centers and, with special arrangements, test equipment can be made available for "in-plant" testing. Lab facilities are available for customer use at no charge.



SCHOLD Standard High Shear, High Speed Blade – Corten carbon steel; stainless steel; .131" material thickness.



SCHOLD High Pumper, High Speed Blade – Corten carbon steel; stainless steel; .131" material thickness.



NOTE: As we are continuously improving our designs, illustrations and specifications in this publication are not to be considered absolute and binding.

U.S. and Foreign Patents; other Patents Pending

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