

Gerber Rotary Valve Distributor OPTIONAL FEATURES

RAPAT
CORPORATION



■ ELECTRIC DRIVE -

(Above) All units are available from the factory with electric drive. Manual units easily converted to electric drive while installed— no costly teardown for conversion! Electric drive is direct connected— none of the problems associated with chains or gears.

■ EXTENDED WEAR OPTIONS -

Heavy-duty inner parts and outlet ducts are attained by using optional liners.

■ OPTIONAL LINERS -

Optional liners include Urethane and Abrasion Resistant Steel.

■ LIMIT SWITCH-

Limit switch available in place of computer controlled unit.

■ OPTIONAL MATERIALS -

Special galvanized and stainless steel units available.

■ SPLIT HOUSING -

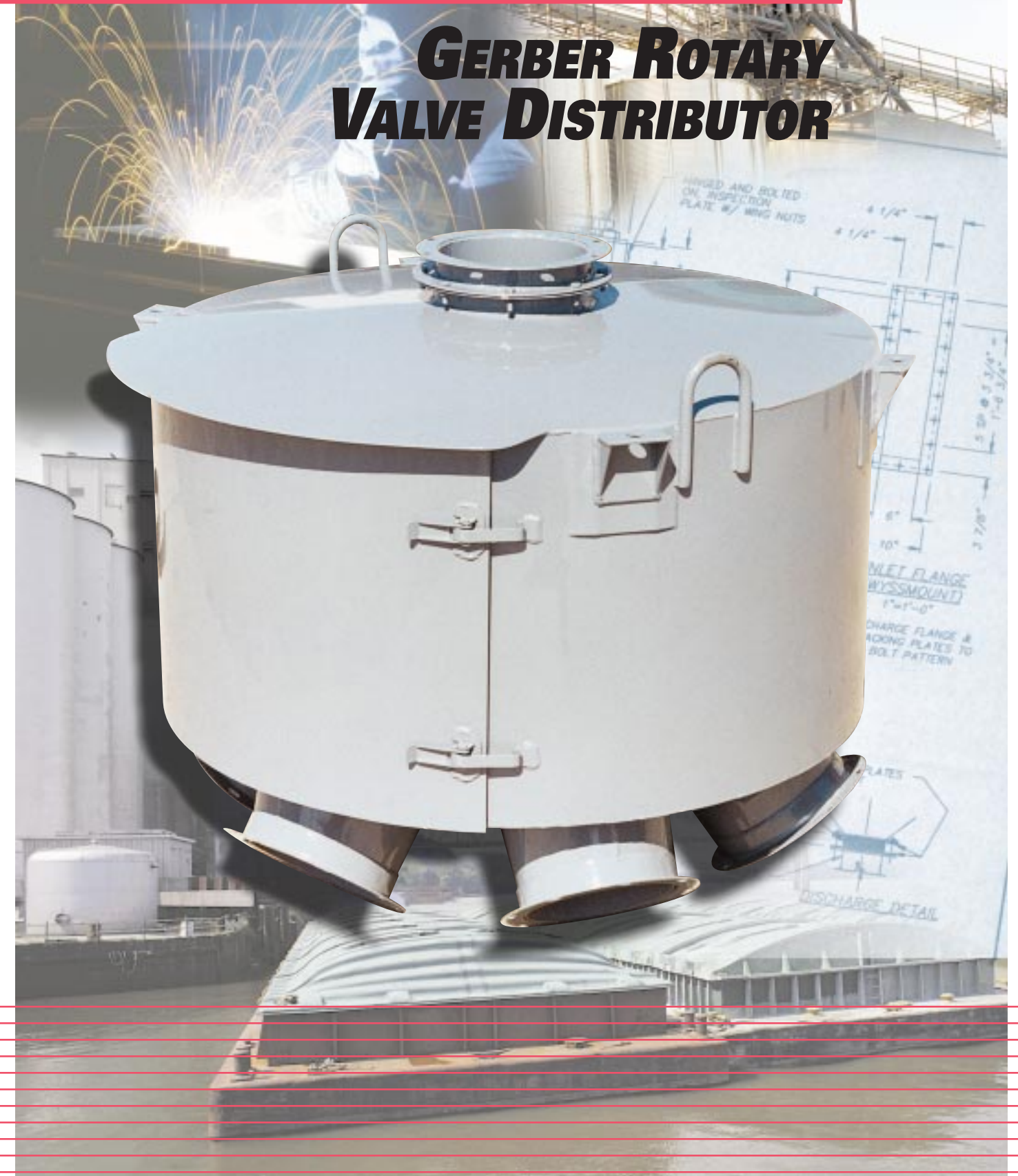
Units can be designed to split along the center, creating two separate, bolt-together halves. The perfect solution for difficult installations or shipping concerns for larger units.

■ FLAT BACK -

Designed for placement next to wall or bucket elevator. (Shown below).



GERBER ROTARY VALVE DISTRIBUTOR



RAPAT CORPORATION PRODUCT LINE CARD

CONVEYORS

- ENCLOSED BELT
- BAGGING
- CLEATED BELT
- TRUCK & RAILCAR UNLOADERS
- FLEXIBLE SIDEWALL
- PORTABLE BELT
- FOOD HANDLING
- TROUGHING ROLLER
- PLASTIC & WIRE BELTS
- SLIDER BED
- STAINLESS STEEL CONSTRUCTION
- EN-MASSE (DRAG)
- CUSTOM CONVEYORS

DISTRIBUTORS

- ROTO-FLO
- ROTARY VALVE
- SWING FLO

BUCKET ELEVATORS

- COMPLETE BUCKET ELEVATOR ASSEMBLIES
- CUSTOM ACCESSORIES
- BACKLEG ROLL OPTIONS

SCREW CONVEYORS

- TUBE TYPE SCREW CONVEYORS
- AUGER FLIGHTING

HORIZONTAL UNLOAD POWERHEADS

- 25 DEGREE INCLINE POWERHEADS
- BIN UNLOAD TUBES WITH ROLLER SLIDE GATES
- BANJO SUMP BIN UNLOAD TUBES
- ELECTRIC / HYDRAULIC DRIVE KITS

ACCESSORIES

- HOPPER CAR UNLOADERS
- TRANSFER SPOUTING
- CAST IRON TURNHEADS
- REVERSIBLE ELBOWS
- DRAW OFF SPOUTS

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Gerber Rotary Valve Distributor FEATURES

ROTARY VALVE DISTRIBUTOR

The Rotary Valve Distributor is available in many standard sizes and nearly unlimited custom sizes. The Rotary Valve Distributor is available in carbon steel, stainless steel or galvanized.

Other options include different outlet configurations (such as square or angled) and several types of abrasion resistant lining material for longer spout life.

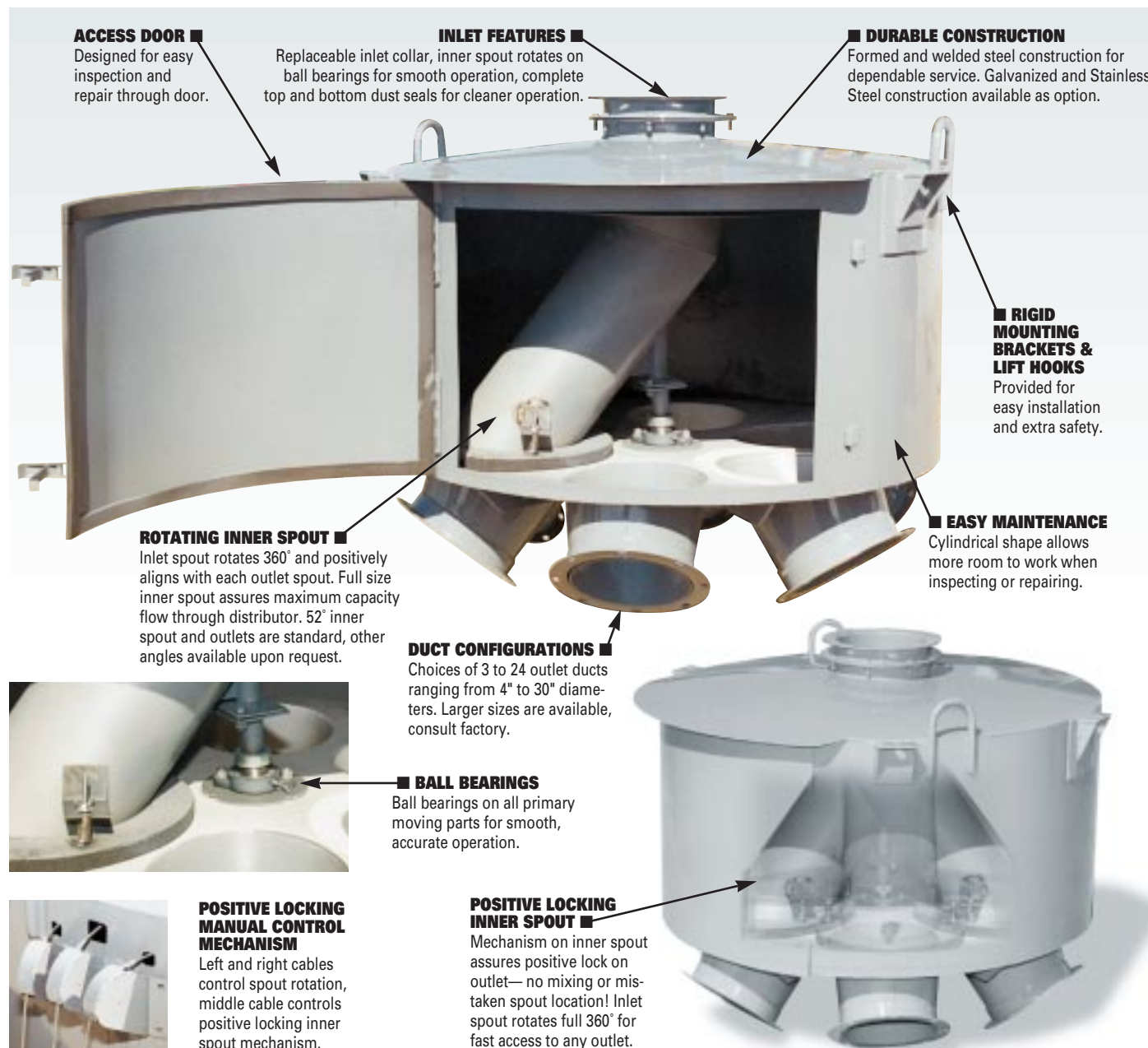
The Rotary Valve Distributor is designed for all-weather durability, allowing indoor or outdoor installation.

Rapat can also provide special features such as bi-directional drive and air plenum pick-up for dust control on any valve size.

All Rotary Valve Distributors are designed for safe, economical and trouble-free operation, and are available with manual or electronic control systems.

STANDARD MANUAL CONTROL: GIVES YOU POSITIVE CONTROL

The inner spout of the rotary valve locks into its proper location and can be moved only when the operator unlocks and turns it to the next outlet. Its three cable controls can be operated at the valve, on the work floor, or at any alternate location by using the control cables and pulleys!



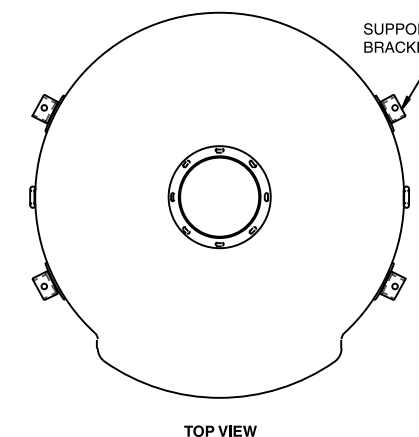
POSITIVE LOCKING MANUAL CONTROL MECHANISM
Left and right cables control spout rotation, middle cable controls positive locking inner spout mechanism.

POSITIVE LOCKING INNER SPOUT
Mechanism on inner spout assures positive lock on outlet—no mixing or mistaken spout location! Inlet spout rotates full 360° for fast access to any outlet.

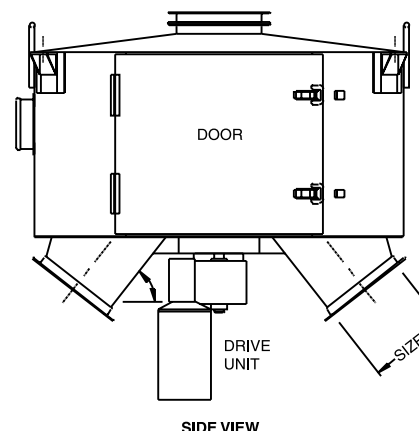
ROTARY VALVE SIZE AND CAPACITY CHART

SIZE	4"	6"	8"	10"	12"	14"	16"	18"	20"	22"	24"	26"	28"	30"
CAPACITY CU. FT./HR.	1,000	2,250	4,000	6,300	9,100	12,400	16,100	20,400	25,200	30,700	36,400	42,900	49,800	57,100
CAPACITY BPH	800	1,800	3,200	5,100	7,350	10,000	13,000	16,500	20,400	24,700	29,400	34,500	40,000	45,900

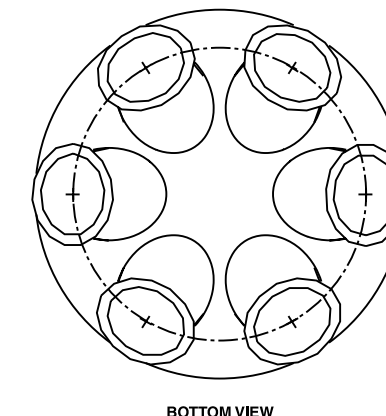
Special size units are available. Please consult factory for more information.



TOP VIEW



SIDE VIEW



BOTTOM VIEW

The center control cable releases the latch to unlock it when moving to the next outlet position, and the other two cable controls swing the inner spout to either side, allowing precise position control.

ELECTRIC ROTARY VALVE

All Rotary Valve Distributor models are available as electrically-controlled units with a control panel for remote control operation from your office, driveway or other convenient location(s). Multiple control panels are also available, so that the Rotary Valve Distributor system may be controlled at different locations throughout your operation. All units are available from the factory with electric drive. Manual units easily converted to electric drive while installed—no costly teardown for conversion!

The control system includes an intrinsically safe proximity sensor with barrier relay and brake panel to position the inner spout; and a remote control panel, digital position readout with malfunctions displayed.



ELECTRIC ROTARY VALVE

Most electrical components are mounted outside unit for dust-free operation.

Only 4 wires to connect distributor to control panel. Motor wires to be determined by electrician and run in a separate conduit.

Can be designed to interface with other automated control systems.

Built in error detection for positive spout location information.

Dynamic brake system for quick, accurate positioning over outlets.

Electronic control system allows spout to travel shortest distance to next selected position

Most electric units have direct connected drive—no more problems with chains or gears.

SPECIFICATIONS

Size	800 to 45,900 bushels per hour.
Controls	Manual or Electric controls are available for all installations.
Ducts	4" to 30" diameter, in 2" increments.
Intake	Single intake only.
Discharge	Up to 24 Discharge Ducts on lower capacity units. Number of discharges may decrease with higher capacity units.
Standard Construction	Carbon steel body with carbon steel inner parts. Ball Bearings on all primary moving parts. Top and bottom dust seals included.

All specifications subject to change without notice.

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