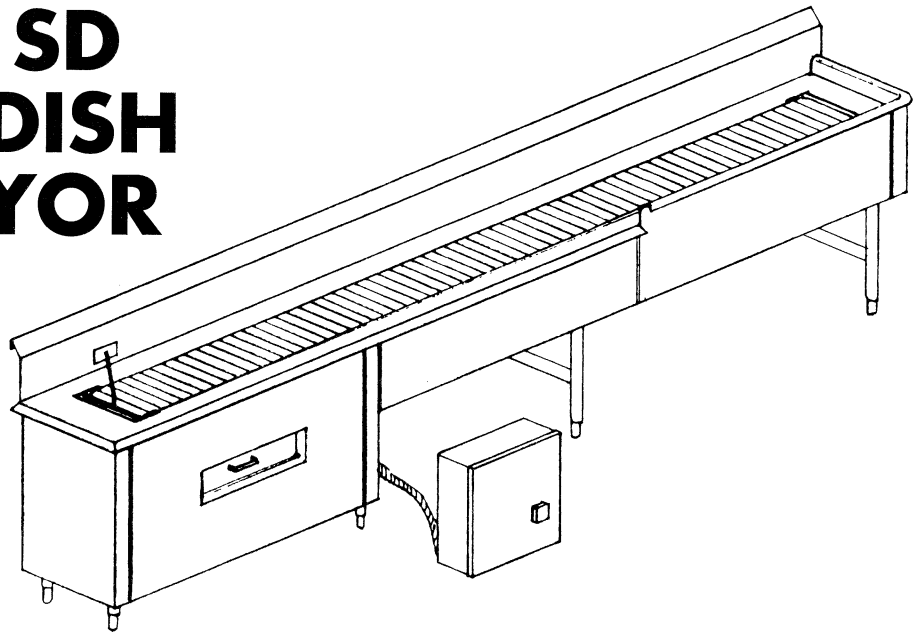# GATES SD SOILED DISH CONVEYOR

NOTE: Model specifications are subject to change without notice.

SOILED DISH SERIES SPECIFICATIONS

Conveyor shall be Gates Soiled Dish Series, Model SD and will carry U.L. Listed and NSF approved plate. Length to be _____ feet long per drawing and carry _____" x _____" trays and/or bus boxes. Conveyor slider pan to be 17-1/4" wide 35" A.F.F.

Belt to be lo-friction Lexan plastic with tapered slats carried by S.S. roller chain. Slats are snap attached to chain and do not require special tools for removal. Belt to be electronically adjustable speed at 0 to 40 F.P.M.

Conveyor slider pan shall be formed of stainless steel with edges as noted. Pan fitted with replaceable half-hard half round S.S. wear strips. Belt slider pan to be fully enclosed.

Drive housing shall be 18 GA. S.S. welded angle and channel framework. Removable panels provided for access.

Supports shall be 1-5/8" O.D. 16 GA. S.S. tubing "H" frames on 6' centers. Inter-connecting crossrails as required.

Conveyor driven by totally enclosed, fan cooled, D.C. motor through worm gear, speed reducer connected to power drive sprocket by roller chain. Motor to include dynamic braking for instant stopping. Watertight start-stop control to be located in accessible area. All controls to be mounted within NEMA 4 watertight enclosures. Control package to include motor starter disconnect, and pilot duty limit switches are required. Shafting will be solid stainless steel with stainless steel sprockets. Bearings shall be self-aligning ball bearings sealed for life. Connection to be 120 volts, 60 cycle, 1 phase.

Intermediate sections to be S.S., fully welded, angle framing with full length replaceable guide rails for belt return. Sides shall be fitted with removable S.S. panels.

Tail section to be S.S. framework, housing, and all welded. S.S. sump when required with threaded drain outlet for branching to floor drain (by others). S.S. panels to conceal exposed frame.

Wash system to be located within drive housing, consisting of an all welded, S.S. wash tank with a removable scrap collection basket. Tank to be fitted with spray manifolds pre-piped to detergent injection system with solenoid valve to control wash solution flow onto belt. Detergent pump to be electrically operated, positive displacement type. Wash system to be operated by conveyor controls. Standard wash system to be run-wash, time-wash available. Full length beneath belt to be S.S. drip collection pans, which pitch to wash tank. 140° Hot water recommended for wash system.

Limit switch to be arm type inter-wired to motor and controls. Conveyor to stop when tray reaches arm and will automatically restart when tray is removed.

MECHANICAL DATA

Provide 1/2", 140° Hot water stub out of floor at drive housing for connection to valve in drive section. Provide hub or floor drain under drive housing. Drain required under tail section if conveyor is over 16' - 0" long. Provide electrical stub at required location.
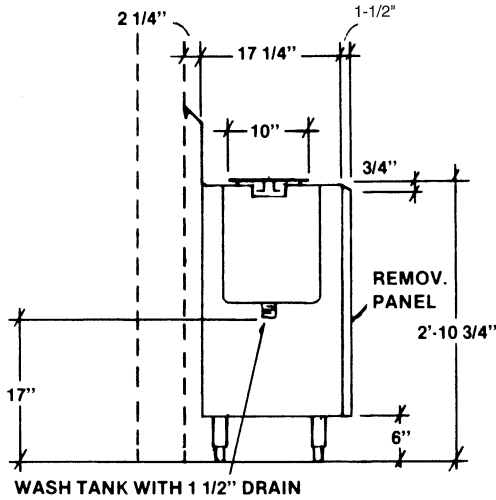
GATES MANUFACTURING

6924 Smiley Avenue
St. Louis, Missouri, 63139

gatesmfg.com

GATES SOILED DISH CONVEYOR

All dimensions are typical and may vary to suit application requirements

DRIVE SECTION

2 1/4"
1-1/2"
17 1/4"
10"
3/4"
REMOV. PANEL
2'-10 3/4"
17"
6"

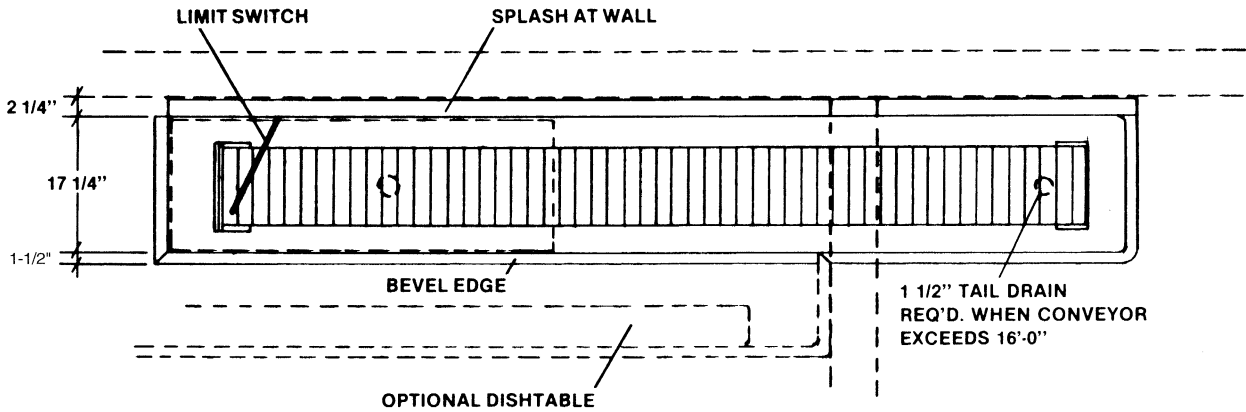**WASH TANK WITH 1 1/2" DRAIN**

OUTSTANDING FEATURES
- U.L. Listed
- Electronic Speed with Dynamic Braking
- Stainless Steel Construction
- Replaceable Snap On Slats
- Sensor Bar
- S.S. Sprockets and Shafts
- Lubricated-for-Life Bearings
- NEMA 4 Controls
- Turns Available from 0° to 360°
- Completely Wired One Service Connection
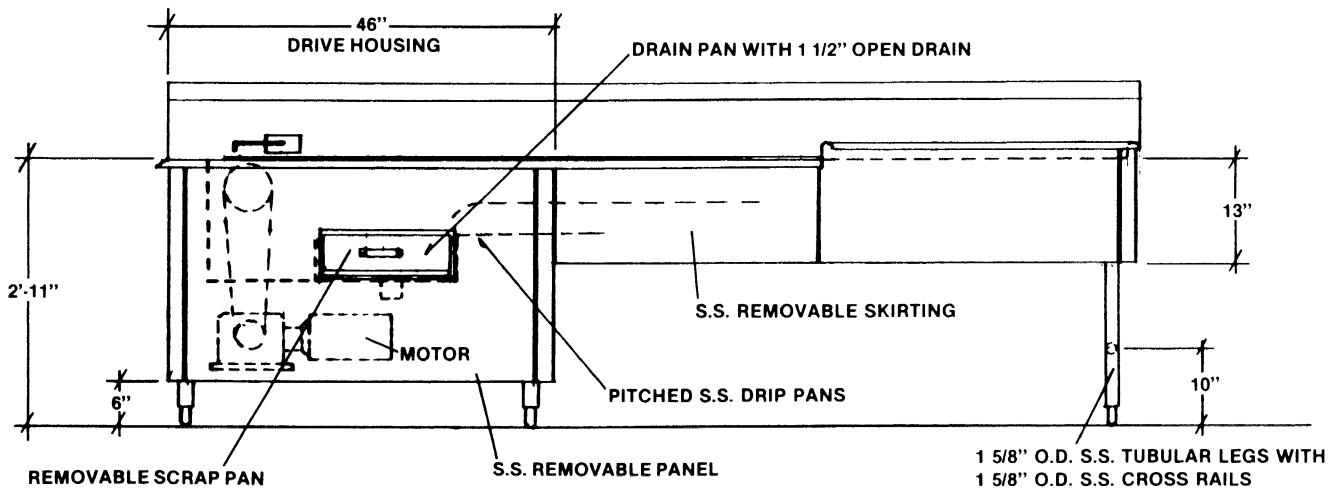- 24 Volt Controls
- One (1) Year Warranty

OPTIONS
- Flush Clean
- Belting Without S.S. Chain (Straight Only)
- Chain Guard Limit Switch
- Decorator Skirts
- Three (3) Year Extended Warranty
- Dishtables
- Photo Eyes (Where Applicable)

Horsepower ratings for straight conveyors or conveyors with a total of 90° turns 0-25' - 1/2 H.P., 26' - 38' - 3/4 H.P., 39' - 60' - 1 H.P. Consult factory for H.P. ratings for conveyors with more than 90° turns or dual strands.

Shipped knocked down when possible.

TOP PLAN

LIMIT SWITCH
SPLASH AT WALL
2 1/4"
17 1/4"
1-1/2"
BEVEL EDGE
OPTIONAL DISHTABLE
1 1/2" TAIL DRAIN REQ'D. WHEN CONVEYOR EXCEEDS 16'-0"

ELEVATION

46"
DRIVE HOUSING
DRAIN PAN WITH 1 1/2" OPEN DRAIN
13"
2'-11"
S.S. REMOVABLE SKIRTING
MOTOR
PITCHED S.S. DRIP PANS
10"
6"
REMOVABLE SCRAP PAN
S.S. REMOVABLE PANEL
1 5/8" O.D. S.S. TUBULAR LEGS WITH 1 5/8" O.D. S.S. CROSS RAILS