

DESIGN SPECIFICATIONS

Headbox Type	Valley Headbox 2318 Type
Material	Entire headbox 316L Stainless Steel. Required fasteners are stainless steel. Gear reducer housings of cast iron, electric motor housings of mild steel or aluminum. Walkways are 316L Stainless Steel.
Deckle Width	184 Inches
Wire Width	190 Inches
Minimum Flow to Slice	9163 GPM
Maximum Flow to Slice	14910 GPM
Minimum Flow to Header	9804 GPM
Maximum Flow to Header	15954 GPM
Minimum Operating Speed	1015FPM
Maximum Operating Speed	2500 FPM
Structural Design Speed	3000 FPM
Grades	29.8-84.67 lbs./2,600 sq ft (56-159 GSM)

Light Weight Uncoated Specialties

Basis of Calculated Flows

Minimum Flow

Basis Weight	84.67 lbs./2600 sq. ft. (159 GSM)
Gallorage	9163 GPM
Machine Speed	1015 FPM
Headbox Consistency	0.70%
Tray Consistency	0.14%
Machine Chest Consistency	3.5%

Maximum Flow

Basis Weight	31.42 lbs./2600 sq. ft. (59 GSM)
Gallorage	14910 GPM

Machine Speed 2500 FPM

Headbox Consistency 0.50%

Tray Consistency 0.175%

Machine Chest Consistency 3.5%

Mixing Distributing Roll

Outside Diameter 13.50"

Hole Diameter 1.00" Staggered Drilled

Open Area 39.5%

Wall Thickness 0.31"

Face Length 183.75"

Turning Distributing Roll

Outside Diameter 18.00"

Hole Diameter 1.00" Staggered Drilled

Open Area 44.4%

Wall Thickness 0.31"

Face Length 183.75"

Slice Distributing Roll

Outside Diameter 18.00"

Hole Diameter 0.875" Spiral Drilled

Open Area 49.4%

Wall Thickness 0.31"

Face Length 187.75"

Slice

Nozzle Opening 0.25" Minimum

4.000" Maximum

Apron Blade 0.5" upstream to 2.00" down-stream
(from centerline of breast roll)

Apron Blade Underside 0.1875" Clearance above breast roll

Tube Bundle

Tube Diameter	1.25" O.D. x 0.065" Wall
Number of Tubes	293

Liquid Level Control Compressor

Compressor Mfr/Model	Nash L-3
Motor	GE 575 VAC, 3 Phase, 60 Hz, TEFC Type, 1800 RPM, 15 HP

Mixing Roll Drive

Reducer Mfr/Model	Falk/Size 1060 158.9:1 Ratio
Motor	2.0 HP Constant Speed
Roll Turning Speed	11.3 RPM

Turning Roll Drive

Reducer Mfr/Model	Falk/size 1060 194.6:1 ratio
Motor	2.0 HP Constant Speed
Roll Turning Speed	9.25 RPM

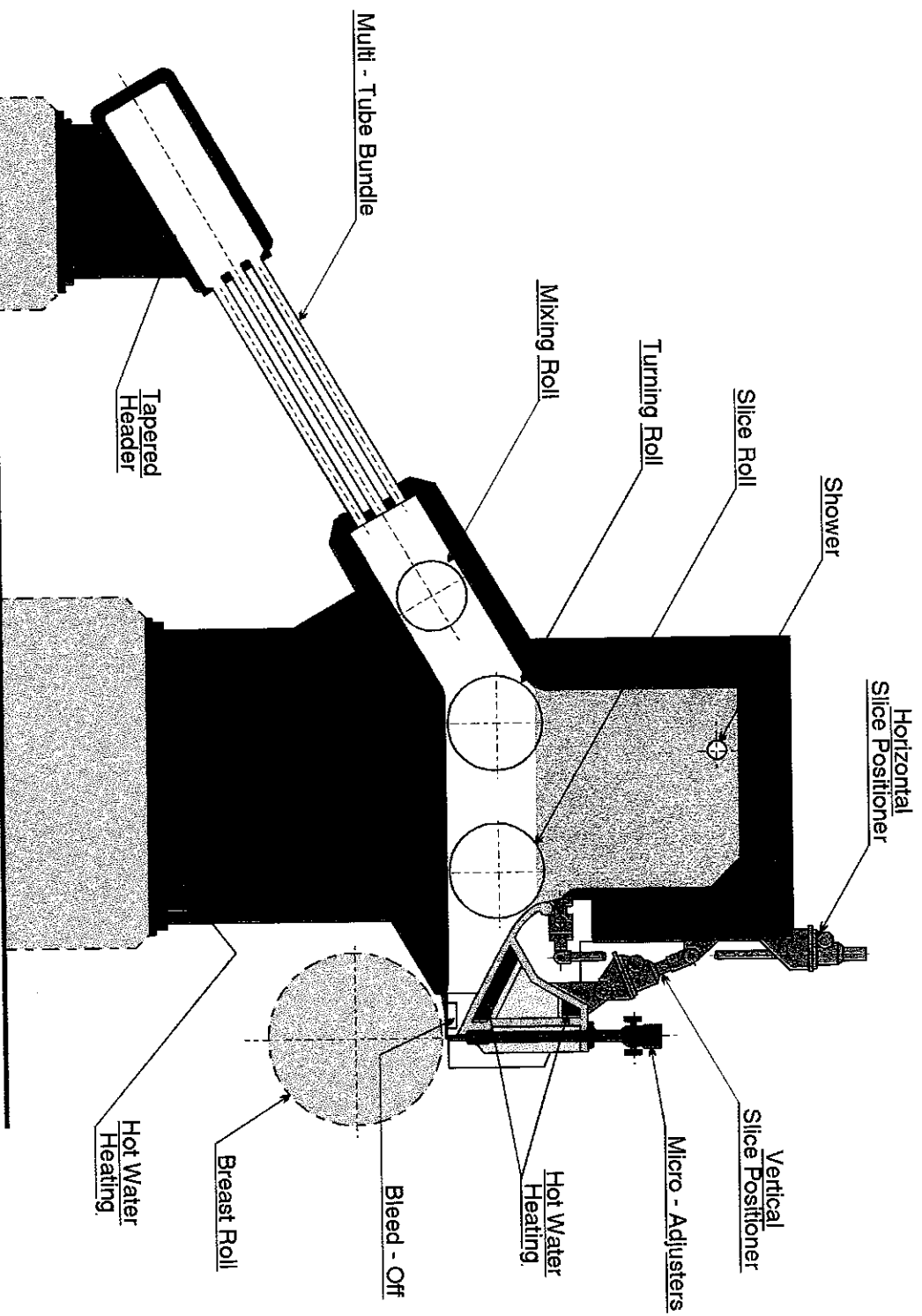
Slice Roll Drive

Reducer Mfr/Model	Falk/size 1040 70.62:1 ratio
Motor	3.0 HP Vari-Speed (by Mill)
Speed Range	3–25 RPM
Recommended Speed	3–10 RPM

Slice Vertical Adjustment

Motor Mfr/Frame	Sew Eurodrive RF63DT90L4 575 VAC, 3 Phase, 60 Hz 2.0 H.P. single speed, reversible
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VALLE 2300
MULTIPLEX "MCP" HEADBOX - SECTION
 with Two Heating Zones in Top Slice
 and One in Base



M.36-045

Orig. 12/87
 Rew. 8/91
 Rew. 1/93

VOITH SULZER
 PAPER TECHNOLOGY