ISL TECHNOLOGIES PTE LTD
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Co.Reg.No: 200208690W

Standard Discharge Station (with Frame Vibrator & Mounting Frame)

APPLICATION: Designed for safe & hygienic discharge of material from an ISL IBC into processes such as mixing, packaging, screening and conveying.

DESCRIPTION: As the IBC is lowered, the IBC outlet engages into the Station "top liner" and the IBC Cone Valve locates onto the Station central "probe" thus creating an environmental seal between IBC and process. When the IBC is empty, it is lifted off the Station, as it lifts the IBC outlet remains sealed into the top liner until just after the valve re-seats in the IBC outlet. Thus, there is not even a momentary exposure of the product before, during or after discharge.

The Station incorporates a "position transducer" which totally controls the valve aperture so as to maintain either any number of positions or continuous flow rate; making it an accurate batch and continuous gravimetric feeder as well as a fail-safe valve.

INDUSTRY: Food, Pharma, Chemical & Others

MEDIA: Powder, Granules, & Pellets

MATERIAL OF CONSTRUCTION: Contact parts: Natural Latex, Polypropylene (PP) & SS 304/316L.

Non-Contact Parts: SS 304.

Elastomers: Natural Latex, HDPE, Polypropylene (PP)
All elastomers are food grade & FDA-compliant.

Fasteners: Stainless steel or mild steel

Fitting: Nickel-plated brass with Co-polymer sleeve



MOUNTING FRAME: ISL offers a standard designed Mounting Frame as shown.

(Mounting frame can be customised to suit client's requirement)

LIFT HEIGHT SENSOR: Ultrasonic sensor, Supply voltage 10-30 VDC, 4-20 mA output, comes with quick disconnect cable.

DUMP VALVE: Double acting, single rod pneumatic cylinder, Tubing Size: 6mm

PNEUMATIC REQUIREMENT: Comp. air pressure – 4 to 6 bar
Comp. air volume – 2 cu m/min
Tubing size – 12 mm

DIMENSION: (L x W x H) 1225 mm x 1225mm x 772 mm (48.23 in x 48.23in x 30.39 in)

DISCHARGE CONNECTION REQUIRED: 204 mm (8 in) OD pipe with 5mm flare for downstream process inlet

(Mounting connection can be customised to suit client's requirement)

ROLLER LIMIT SWITCH: Adjustable roller lever, SPDT (snap-action contact), N.O., M20 cable conduit, IP 65

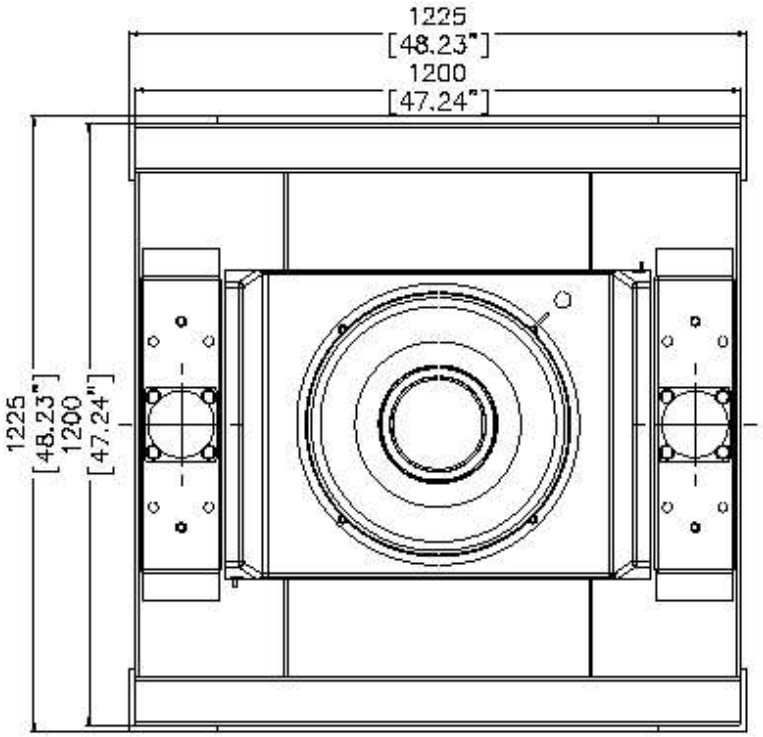
FRAME VIBRATOR: Piston vibrator, Air pressure: 4 bar, Air volume: 100 l/min (continuous), Tubing Size: 12mm

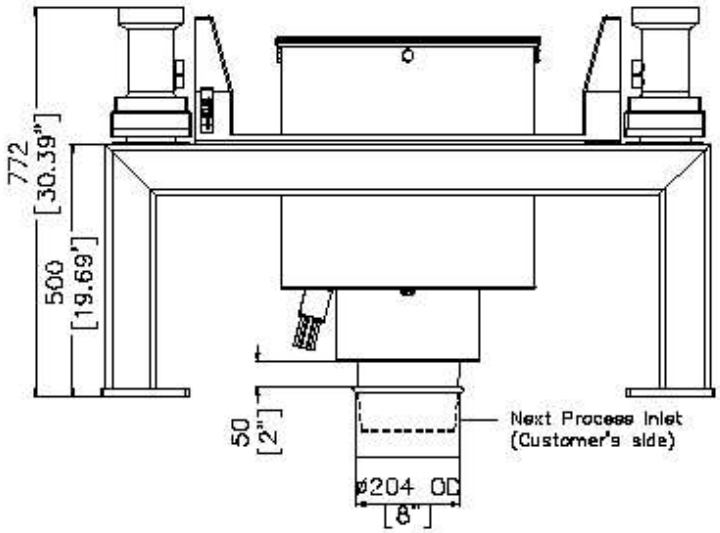
LOAD CELLS (OPTIONAL): Stainless Steel Shear beam load cells, Weighing capacity: up to 5 ton, comes with pre-wired junction box.

NETT WEIGHT: ~ 250 kg (551 lbs)

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GENREAL DRAWING – STD STATION (w/ FV & MF)





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