

GENERAL NOTES:

MOC & FINISHES:
* All machine surfaces from 304/321 st-st
* pharmaceutical finish.

MAX. LOAD:
* 1150Kgs (2535Lbs)

ELECTRICAL SYSTEM:
* Supply: 15Amps @ 480VAC/3ph/60Hz, max.3hp
* Room-rating: Class 1, Div 2, Group D

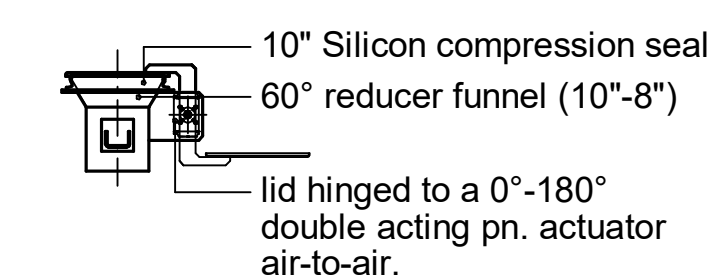
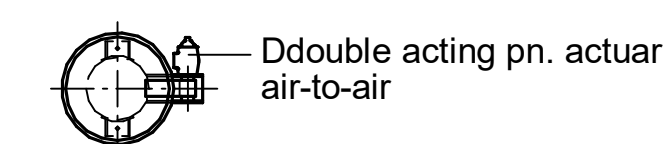
CONTROLS SYSTEM:
* hydr. functions: via push-buttons
* switches: pneumatic

SWITCHES:
* max. height
* min. height
* IBC in-place
* arm on height stop
* slew mid
* slew end
* valve open/close
* lid open/close

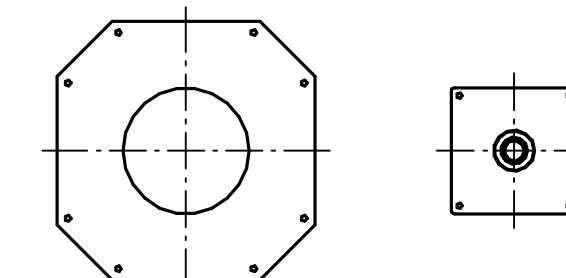
INTERLOCKS:
* Lifting & Lowering:
- only at slew mid/end positions
- lowering at mid position only when the lid is closed
- only when IBC is in place (or via override)
- only when IBC valve is closed
* Slew FWD/BWD
- only when arm is at min. height (START-MID POSITION)
- only when arm is at max. height (MID-END POSITION)
- slew FWD only when the lid is open (MID-END POSITION)
- slow speed at end points
* Open/Close Valve:
- only when arm is lowered on height stop
- only when arm at discharge position
* Vibrator
- always (via pushbutton)
* Height Stop Latch
- auto retracts while lowering at slew mid position
* Lid Open/Close:
- only when lift is at slew mid position
- only when arm is at max. height

STANDARD OPERATION:
(use the lift along the listed interlocks...)
* Start pos.; arm at min. height at slew start.
* Load IBC on the arm.
* Attach pneum. tubing for vibrator.
* Slew FWD to the mid position (auto-stops at mid position).
* Raise to max. height.
* Open lid.
* Slew FWD to the end position.
* Lower onto the height stop.
* Open valve and discharge powder.
* Close valve.
* Raise to max. height.
* Slew BWD to the mid position (auto-stops at mid position).
* Close Lid.
* Lower to min. height.
* Slew BWD to the start position.
* Detach tubing for virator
* Unload IBC.
* Load another IBC and repeat.

SUGGESTED CHARGE PORT



BASE PLATE & TOP PLATE

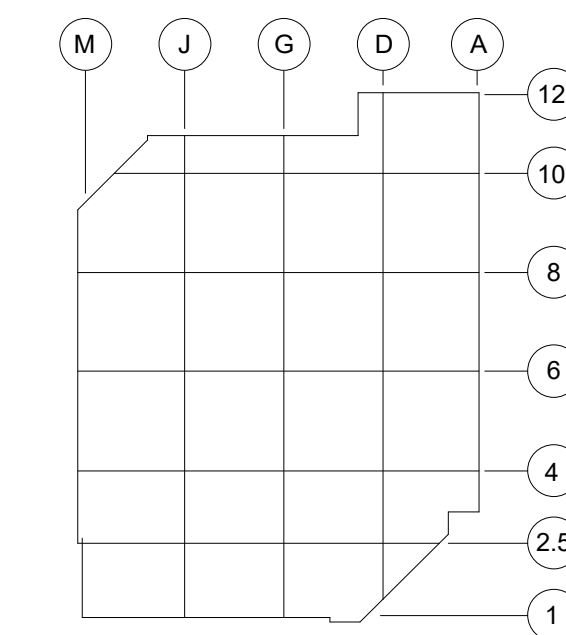


SERVOLIFT LLC

FILE NAME	DRAWING NO.	REV	SHEET
EQUIPMENT LIFT FBP01-PH-001	20Y148023\FBP01-PH-001\GA-01-003	0	1 OF 1

PROJECT LOCATION

6701 EVANSTAD DR N
MAPLE GROVE, MN 55369



KEYPLAN

CLIENT

UPSHER-SMITH

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CONSULTING ENGINEER

HORWITZ

7400 49th AVENUE NORTH
NEW HOPE, MN 55428
(763) 533-1900
www.horwitzinc.com

PROJECT TITLE

PROJECT KEYSTONE - PHASE 1

REV	BY	DATE	DESCRIPTION
A	178EC21	FOR RECORD	
D	RS	05/25/22	AS RECORDED

LICENSEE

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Date 05/25/22 LIC NO

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PROJ. NO.	2022.1720	DESIGNED BY:	Designer
SCALE:	1/2" = 1'-0"	CHECKED BY:	Checker
SHEET SIZE:	30x42	APPROVED BY:	Approver

DRAWING TITLE

P&ID FBP01-PH-001 LIFT DETAILS

DRAWING NUMBER

PID-3000.10