### General Notes:

Product and air chamber construction is 11 ga mild steel. Abrasion resistant or stainless steel construction is optional.

All mating flanges are 0.25 plate as standard. Thicker flanges are available to meet various silo strength conditions.

Media support is 0.13 x 1.00 bar grating with 1.00 centers.

Standard aeration media is 0.25 needled polyester rated at 310° maximum temperature. Other media types are optional. Stainess steel mesh covering is also available.

Neoprene or silicone gaskets are available for all flange connections. Other gasket materials optional.

Standard air inlet is 2.00 npt, with a manual balance valve as optional. 3.00 & 4.00 inlets, 150° flanges, and butterfly valves are optional.

Metal surfaces are etched, primed, and finished with industrial enamel.

Specifications and/or dimensional data are subject to change. Consult DCL for certified drawings.

*Estimated weights do not include optional equipment.*

### Table - SPA0X4

| Model   | A   | B   | C   | D   | E  | F  | G   | H   | I   | J   | K   | L   | M   | N   | P   | R   | S   | T   | U   | V  | W  | X  | Est Weight |
|---------|-----|-----|-----|-----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|------------|
| SPA0X4  | 6.0 | 4.0 | 4.25| 12.25| 1  | 4.0| 4.0 | 1.00| 10.0| 2   | 4.0 | 8.0 | 1.00| 0.56| 4.3 | 10.5 | 28.75| 14.00| 32.25| 24.50| 24.25| 305 LB*  |
| SPA0X5  | 8.0 | 6.0 | 6.25| 14.25| 2  | 3.0| 6.0 | 1.00| 12.0| 2   | 5.0 | 10.0| 1.00| 0.56| 6.31| 12.5 | 30.75| 16.00| 34.25| 24.50| 24.25| 335 LB*  |
| SPA10X6 | 10.0| 6.0 | 6.25| 14.25| 2  | 3.0| 6.0 | 1.00| 14.0| 3   | 4.0 | 12.0| 1.00| 0.56| 6.31| 14.5 | 30.75| 18.00| 34.25| 24.50| 24.25| 380 LB*  |
| SPA12X8 | 12.0| 8.0 | 8.25| 16.25| 2  | 4.0| 8.0 | 1.00| 16.0| 4   | 3.5| 14.0| 1.00| 0.56| 8.31| 16.5 | 32.75| 20.00| 26.25| 24.50| 24.25| 410 LB*  |
| SPA14X10 | 14.0| 8.0 | 8.38| 16.38| 3  | 4.0| 8.0 | 1.00| 18.0| 4   | 4.0| 16.0| 1.00| 0.56| 8.43| 18.75| 33.00| 22.00| 26.25| 24.63| 24.38| 445 LB*  |
| SPA18X10 | 16.0| 10.0| 10.38| 18.25| 2  | 5.0| 10.0| 1.00| 20.0| 4   | 4.5| 18.0| 1.00| 0.56| 10.50| 20.75| 35.00| 24.00| 38.25| 24.63| 24.38| 485 LB*  |
| SPA18X10 | 18.0| 10.0| 10.38| 18.25| 2  | 5.0| 10.0| 1.00| 22.0| 4   | 5.0| 20.0| 1.00| 0.56| 10.50| 22.75| 35.00| 28.00| 38.25| 24.63| 24.38| 520 LB*  |
| SPA20X12 | 20.0| 12.0| 12.38| 20.25| 3  | 4.0| 12.0| 1.00| 24.0| 4   | 5.5| 22.0| 1.00| 0.56| 12.5| 24.75| 37.00| 28.00| 40.25| 24.63| 24.38| 580 LB*  |
| SPA22X12 | 22.0| 12.0| 12.38| 20.25| 3  | 4.0| 12.0| 1.00| 26.0| 4   | 6.0| 24.0| 1.00| 0.56| 12.5| 26.75| 37.00| 30.00| 40.25| 24.63| 24.38| 590 LB*  |
| SPA24X14 | 24.0| 14.0| 14.38| 22.25| 4  | 3.5| 14.0| 1.00| 28.0| 4   | 6.5| 26.0| 1.00| 0.56| 14.5| 28.75| 39.00| 32.00| 42.25| 24.63| 24.38| 630 LB*  |

### Diagram - SPA Silo Penetration Adapter (Low Top)

- **Model**: SPA Silo Penetration Adapter (Low Top)
- **Type**: SPA-10001
- **Date**: 04-25-02
- **Prepared By**: TLC
- **Revision**: B 10-01-04
- **Design By**: TLC
- **Drawing No**: SPA-10001

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**Notes**

- View A: Typical conveyor flange detail
- View B: From inside of silo
- Diagram shows exterior views of silo penetration adapter details.

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**Typical Conveyor Body Section**

- Front flange for outside of silo wall
- Penetrator pad slides into penetrator frame and bolts at front flange
- Weld penetrator frame to silo wall, cut flush to inner silo wall if desired
- (K) spaces
  - (L) = (M)

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**Media Retainers**

- On penetrator side

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**Fluidization Media**

- Media support grate

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**TYPICAL CONVEYOR BODY SECTION**

- WP (TOP OF MEDIA)
- 36.0
- 7.00
- 12.00
- 8'
- (A) INSIDE
- (B) INSIDE
- 2.06
- 2.06
- RAIN LIP TYP
- AIR INLET
- 6.00

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**OUTSIDE OF CUSTOMER'S SILO WALL**

- Front flange on outside of silo wall
- Penetrator pad slides into penetrator frame and bolts at front flange
- Weld penetrator frame to silo wall, cut flush to inner silo wall if desired
- (K) spaces
  - (L) = (M)

---

**Typical conveyor flange detail**

- View A
- View B

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**Typical conveyor flange detail**

- Weld penetrator frame to silo wall, cut flush to inner silo wall if desired
- (K) spaces
  - (L) = (M)

---

**Media Retainers (on penetrator side)**

- Fluidization media
- Media support grate

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**TYPICAL CONVEYOR BODY SECTION**

- WP (TOP OF MEDIA)
- 36.0
- 7.00
- 12.00
- 8'
- (A) INSIDE
- (B) INSIDE
- 2.06
- 2.06
- RAIN LIP TYP
- AIR INLET
- 6.00

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**Media Retainers (on penetrator side)**

- Fluidization media
- Media support grate