

AZO Standard Silos with long skirt and 60° discharge cone

**non-
corroding**

**maintenance-
free**

**weather-
resistant**

**no problems with
static electricity
build-up**

Preferred applications

For storing bulk materials in the plastics, foodstuffs, chemical and pharmaceutical industries. Outdoor erection of the non-corrosive and weather-resistant aluminium standard silos on concrete base plates. Filling of the silos from silo vehicles via filling line with tanker couplings.

Special advantages

- Rust-proof and maintenance-free silo and accessories
- Neat appearance even after many years of service life, no re-coating
- Smooth surface, roughness less than 20 µm therefore problem-free product flow
- Comparatively low net weight, less transportation cost and easy erection
- Choice of 4 diameters and various silo heights for optimum adaptation of the capacity to the requirements of the operation
- Minimum increase of product temperature due to good reflection of the silo surface
- No problems with static electricity build-up

THE INNOVATION

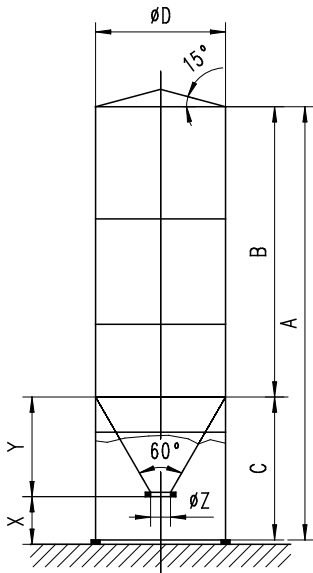


Technical data

The silo shell and the skirt are made of non-corroding and weather-resistant AlMg3 aluminum alloy which fulfils the sanitary requirements for food. The remaining parts, except the structural steel foundation ring, are either made of AlMg3, AlMgSi 0.5 or other non-corroding materials. The standard silos are designed for a calculated pressure of +45/-5 mbar and a bulk density of 0.6 kg/l, 1.0 kg/l alternatively.

The standard accessories include 1 set of jack rings and a discharge flange up to NW 500. Other accessories such filling lines, doors, hatches, connecting pipes, exhaust air filters, discharge devices etc. are supplied according to the specific situation of the plant. If especially required, the standard silos are available with insulation or completely of stainless steel for an additional charge.

Technical data



Comment:

When the cone is welded in deeper, consider smaller door and modifications in the installation of the discharge devices.

Dimensions X, Y, and Z depend on the respective discharge system. The gross capacity data is based on a discharge diameter Z of 250 mm and a ground clearance X of 1000 mm.

If dimension C is reduced by 100 mm, the additional capacity is as follows:

- $\varnothing 2400 = 0.45 \text{ m}^3$
- $\varnothing 3000 = 0.70 \text{ m}^3$
- $\varnothing 3500 = 0.95 \text{ m}^3$
- $\varnothing 4200 = 1.38 \text{ m}^3$

| Type $\varnothing D$ | Gross capacity in m^3 | A | B | C | Net weight in kg at | |
|-------------------------|-----------------------------------|-------|-------|------|------------------------|----------|
| | | | | | 0.6 kg/l | 1.0 kg/l |
| 2400/1/25 | 25 | 7500 | 4800 | 2700 | 715 | 740 |
| 2400/1/36 | 36 | 10000 | 7300 | 2700 | 900 | 950 |
| 2400/1/47 | 47 | 12500 | 9800 | 2700 | 1100 | 1180 |
| 2400/1/58 | 58 | 15000 | 12300 | 2700 | 1330 | 1460 |
| 2400/1/70 | 70 | 17500 | 14800 | 2700 | 1580 | 1760 |
| 3000/1/35 | 35 | 7500 | 4200 | 3300 | 1000 | 1070 |
| 3000/1/45 | 45 | 8750 | 5450 | 3300 | 1130 | 1210 |
| 3000/1/55 | 55 | 10000 | 6700 | 3300 | 1260 | 1390 |
| 3000/1/70 | 70 | 12500 | 9200 | 3300 | 1540 | 1730 |
| 3000/1/80 | 80 | 13750 | 10450 | 3300 | 1700 | 1930 |
| 3000/1/90 | 90 | 15000 | 11700 | 3300 | 1860 | 2420 |
| 3000/1/105 | 105 | 17500 | 14200 | 3300 | 2210 | 2560 |
| 3000/1/125 | 125 | 20000 | 16700 | 3300 | 2620 | 3070 |
| 3000/1/140 | 140 | 22500 | 19200 | 3300 | 3160 | 3640 |
| 3000/1/150 | 150 | 23750 | 20450 | 3300 | 3420 | 3970 |
| 3500/1/45 | 45 | 7500 | 3750 | 3750 | 1330 | 1450 |
| 3500/1/58 | 58 | 8750 | 5000 | 3750 | 1490 | 1660 |
| 3500/1/70 | 70 | 10000 | 6250 | 3750 | 1660 | 1860 |
| 3500/1/94 | 94 | 12500 | 8750 | 3750 | 2070 | 2310 |
| 3500/1/118 | 118 | 15000 | 11250 | 3750 | 2510 | 2830 |
| 3500/1/142 | 142 | 17500 | 13750 | 3750 | 3000 | 3380 |
| 3500/1/154 | 154 | 18750 | 15000 | 3750 | 3260 | 3680 |
| 3500/1/166 | 166 | 20000 | 16250 | 3750 | 3520 | 4010 |
| 3500/1/190 | 190 | 22500 | 18750 | 3750 | 4070 | 4680 |
| 3500/1/200 | 200 | 23750 | 20000 | 3750 | 4370 | 5090 |
| 3500/1/212 | 212 | 25000 | 21250 | 3750 | 4660 | 5490 |
| 3500/1/236 | 236 | 27500 | 23750 | 3750 | 5440 | 6380 |
| 4200/1/93 | 93 | 10000 | 5500 | 4500 | 2270 | 2710 |
| 4200/1/127 | 127 | 12500 | 8000 | 4500 | 2790 | 3270 |
| 4200/1/162 | 162 | 15000 | 10500 | 4500 | 3330 | 3930 |
| 4200/1/196 | 196 | 17500 | 13000 | 4500 | 4040 | 4650 |
| 4200/1/231 | 231 | 20000 | 15500 | 4500 | 4710 | 5450 |
| 4200/1/266 | 266 | 22500 | 18000 | 4500 | 5420 | 6380 |
| 4200/1/300 | 300 | 25000 | 20500 | 4500 | 6180 | 7310 |