# DA

## PNEUMATIC CYLINDER

### STANDARD DOUBLE-ACTING

### BORE SIZES 4″/100 mm – 12″/300 mm

VAYCOM standard double-acting pneumatic cylinders are specifically designed to suit VAYCOM knife gate valves.

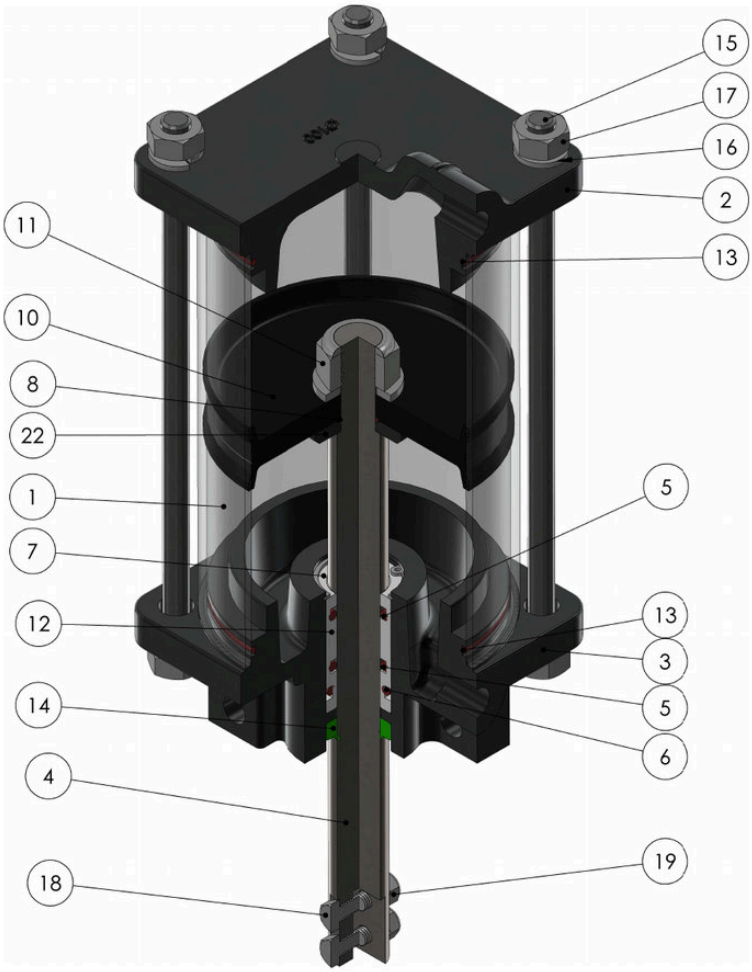
**Main features:**
- Aluminium end caps and barrels up to 12”/300 mm bore
- Stainless steel piston rod
- Air supply pressure: 6 bar. Ideal range: 5 to 7 bar.
- Air quality requirements according to ISO 8573-1: Grade 5:4:3 for normal processes; Grade 5:3:3 for cold-temperature applications (min. -20 °C water dew point); for cylinders with positioners, Grades 3:4:3 (standard) / 3:3:3 (-20 °C).

**Options:**
- Magnetic detector kit available
- Single-acting operation on request

**Bore sizes (”/mm):**
DN 4”/100 mm, 5”/125 mm, 6.3”/160 mm, 8”/200 mm, 10”/250 mm and 12”/300 mm.

**Seal kit*: Items 5, 6, 8, 13 and 14.**

**One-piece vulcanized piston**: Items 9 and 10.**




### PART LIST

| Item | Description | Material |
|---|---|---|
| 1 | Barrel | Aluminium |
| 2 | Cap | Aluminium |
| 3 | Head | Aluminium |
| 4 | Piston rod | AISI 304 |
| 5* | O-ring | Nitrile |
| 6* | O-ring | Nitrile |
| 7 | Circlip DIN472 | Steel |
| 8* | O-ring | Nitrile |
| 9** | Piston seal | Nitrile |
| 10** | Piston | Carbon steel |
| 11 | Self-locking nut | Carbon steel |
| 12 | Bushing | Nylon |
| 13* | O-ring | Nitrile |
| 14* | Scraper | Steel + Nitrile |
| 15 | Tie rods | Carbon steel - Zn plated |
| 16 | Washer | Carbon steel - Zn plated |
| 17 | Nut | Carbon steel - Zn plated |
| 18 | Bolt | AISI 304 |
| 19 | Self-locking nut | AISI 304 |
| 20 | Clevis | AISI 304 |
| 21 | Lock pin | AISI 304 |
| 22 | Washer | Carbon steel - Zn plated |

See VAYCOM technical data sheet 1.8 TN DA Pneumatic valves.

# DA

## PNEUMATIC CYLINDER

### STANDARD DOUBLE-ACTING

### BORE SIZES 14″/350 mm – 16″/400 mm

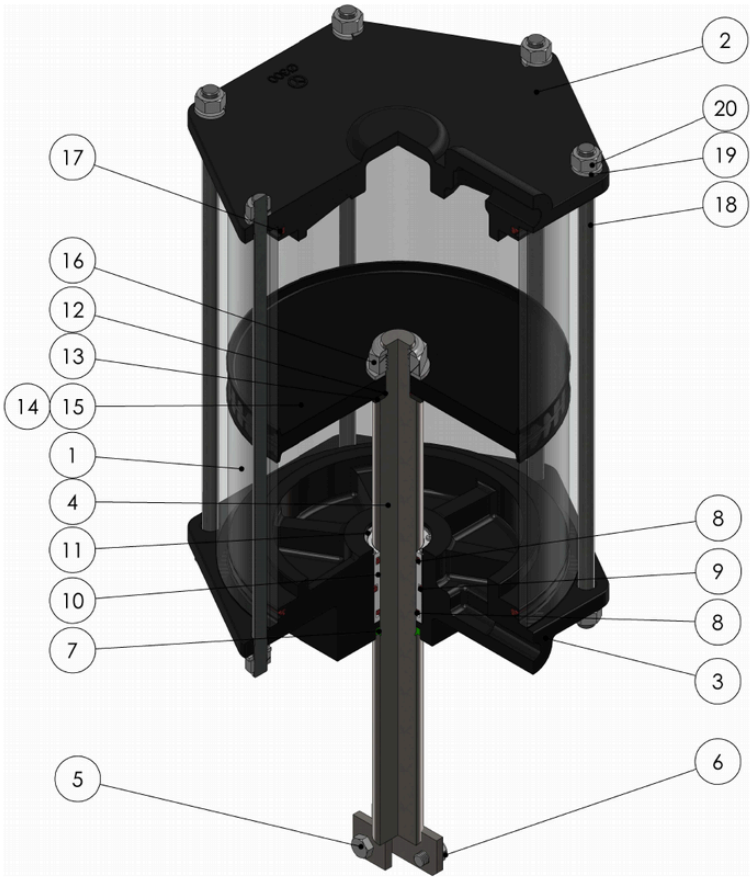
VAYCOM standard double-acting pneumatic cylinders are specifically designed to suit VAYCOM knife gate valves.

**Main features:**
- GJS400 ductile iron end caps
- Aluminium barrel
- Stainless steel piston rod
- Air supply pressure: 6 bar. Ideal range: 5 to 7 bar.
- Air quality requirements according to ISO 8573-1: Grade 5:4:3 for normal processes; Grade 5:3:3 for cold-temperature applications (min. -20 °C water dew point); for cylinders with positioners, Grades 3:4:3 (standard) / 3:3:3 (-20 °C).

**Options:**
- Magnetic detector kit available

**Bore sizes (”/mm):**
DN 14”/350 mm and 16”/400 mm.

**Seal kit*: Items 7, 8, 9, 12, 14 and 17.**




### PART LIST

| Item | Description | Material |
|---|---|---|
| 1 | Barrel | Aluminium |
| 2 | Cap | GJS400 |
| 3 | Head | GJS400 |
| 4 | Piston rod | AISI 304 |
| 5 | Bolt | AISI 304 |
| 6 | Self-locking nut | AISI 304 |
| 7* | Scraper | Carbon steel + Nitrile |
| 8* | O-ring | Nitrile |
| 9* | O-ring | Nitrile |
| 10 | Bushing | Nylon |
| 11 | Circlip DIN472 | Steel |
| 12* | O-ring | Nitrile |
| 13 | Washer | Steel |
| 14* | Piston seal | Nitrile |
| 15 | Piston | Aluminium |
| 16 | Self-locking nut | Carbon steel |
| 17* | O-ring | Nitrile |
| 18 | Tie rod | Carbon steel - Zn plated |
| 19 | Washer | Carbon steel - Zn plated |
| 20 | Nut | Carbon steel - Zn plated |

See VAYCOM technical data sheet 1.8 TN DA Pneumatic valves.