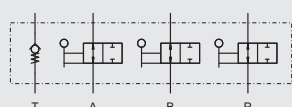
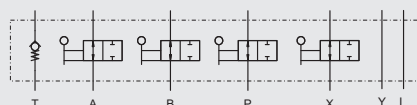




DN 06, DN 10



DN 16, DN 25



## Description

The sandwich plate CETOP is used to block all channels of the attached directional valve.

Ball valves that can be switched separately are used to block the working and the pressure lines. To prevent return of the fluid from the tank a check valve is integrated.

In normal operation, all channels are open. To prevent unauthorised operation, the handle can be removed.

## Product Features

- CETOP interface
- Sandwich plate with blocking function
- Fixing hole, metric or UNC thread

## Product advantages

- Significant reduction in downtimes for hydraulic systems
- No oil drainage, refilling or deaerating of the system is needed after component change
- Sandwich plates can also be retrofitted in the system – an exact fit for the solenoid directional valves with CETOP hole pattern – eliminating the need for rework
- Channels can be blocked individually
- Leakage-free

## Customer benefits

- Ease of maintenance
- Components can be changed without risk of accidents because all the channels are isolated
- Cost savings thanks to quick component replacement
- Time savings thanks to universally usable CETOP interface
- Safe operation

## Type code

(also order example)

**KHZ** **DN10** **CETOP** **1112** **09** **X** **A** **PABTY** **UNC** **...**

### Designation

KHZ = sandwich plate

### Nominal bore

(DN)

### Type of connection

CETOP = interface to DIN 24340 or ISO 4401

### Materials

#### Housing

1 = steel

#### Ball, control spindle

1 = steel

#### Sealing cups

1 = POM

#### Control spindle seal and connection seal

2 = NBR (Perbunan)

4 = FKM (Viton)

### Handle

09 = without handle

### Series

(determined by manufacturer)

### Surface protection

A = zinc-plated, chrome (VI)-free

### Ports

P = pressure port P, can be shut off

A = working port A, can be shut off

B = working port B, can be shut off

T = tank connection, with shut-off valve

Y = pilot port

X = pilot port

### Fixing hole

... = metric thread (no specification)

UNC = UNC thread

### Options

SO760 = Ball valve can be locked in open and closed position using padlock.

Padlock not supplied

## Technical details

|                                     |                                 |                         |
|-------------------------------------|---------------------------------|-------------------------|
| Type of constr.                     | Sandwich plate                  |                         |
| Nominal size                        | DN06 – DN25                     |                         |
| Connection type                     | DIN 24340, DIN ISO 4401, UNC    |                         |
| Interface                           | CETOP                           |                         |
| Mounting position                   | no restrictions                 |                         |
| Fixing hole                         | metric                          | as per DIN 13-1         |
|                                     | UNC                             | as per ANSI / ASMA B1.1 |
| Ambient temperature                 | -10 °C to +80 °C                |                         |
| Nominal pressure                    | up to PN 315                    |                         |
| Operating media                     | Mineral oil ISO VG 46           |                         |
| Viscosity of fluid                  | 10 to 380 mm <sup>2</sup> /s    |                         |
| Temperature of operating media      | -10 °C to +80 °C                |                         |
| Opening pressure of the check valve | 0.5 bar                         |                         |
| Material                            | Steel                           |                         |
| Weight                              | See the Dimensions table        |                         |
| Surface protection                  |                                 |                         |
| ● Standard:                         | zinc-plated, chromate (VI)-free |                         |
| ● HFC, HFDU:                        | Phosphate plated                |                         |

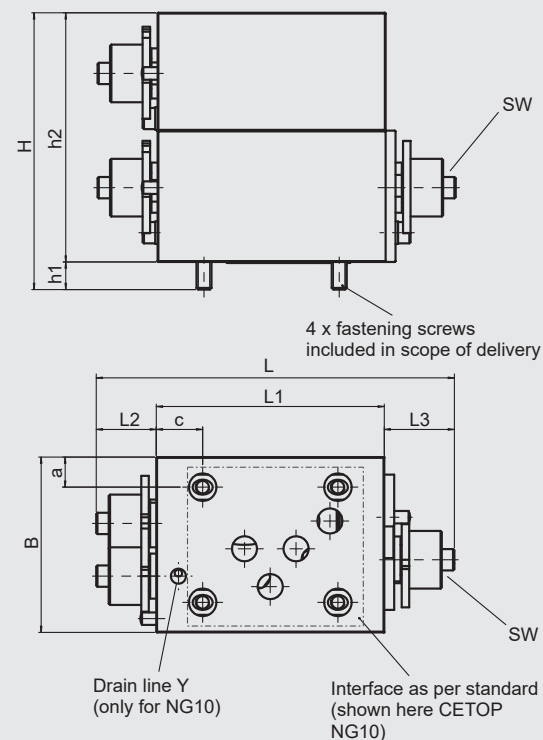
## NOTICE:

We would be happy to discuss your requirements for further options.

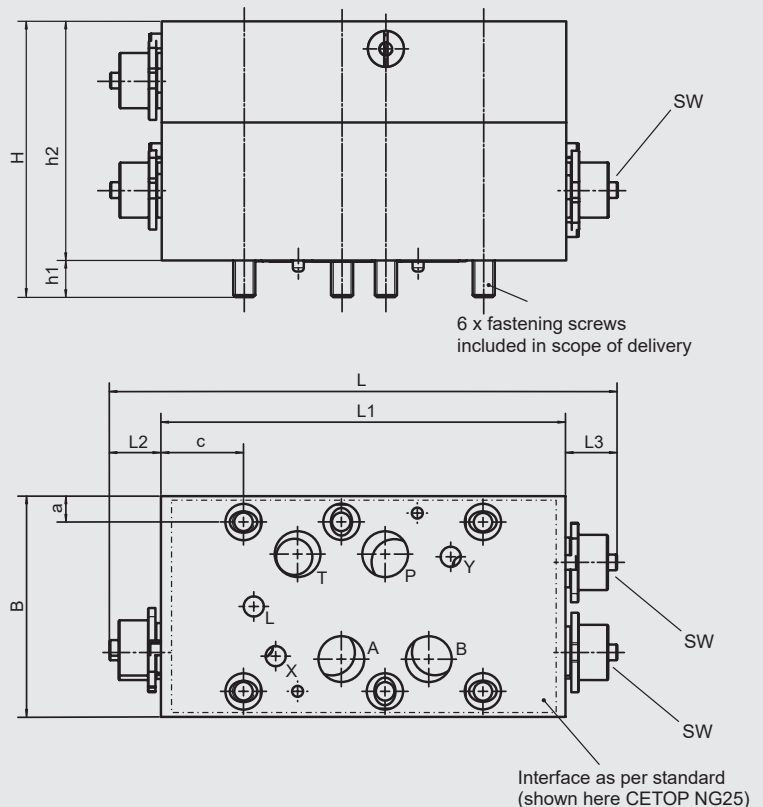
## DIMENSIONS

[dimensions in mm]

DN 06, DN 10



DN 16, DN 25

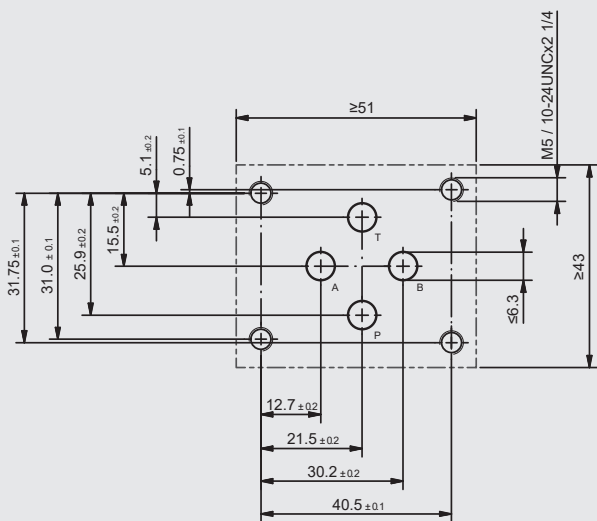


| DN [mm] | H [mm] | B [mm] | L [mm] | L1 [mm] | L2 [mm] | L3 [mm] | a [mm] | c [mm] | h1 [mm] | h2 [mm] | Weight [kg] | SW (AF width) [mm] | Interface according to DIN 24340 | Metric fastening screws         | Fastening screws UNC                                 |
|---------|--------|--------|--------|---------|---------|---------|--------|--------|---------|---------|-------------|--------------------|----------------------------------|---------------------------------|------------------------------------------------------|
| 06      | 76.5   | 48     | 99.1   | 66.5    | 15      | 18      | 8.5    | 13.0   | 9       | 67.5    | 1.6         | 6                  | A06                              | 4x M5x55-10.9                   | 4x 10-24UNC x2 1/4-10.9                              |
| 10      | 110.5  | 70     | 143.0  | 91.0    | 24      | 28      | 12.0   | 18.5   | 11      | 99.5    | 4.6         | 9                  | A10                              | 4x M6x85-10.9                   | 4x 1/4-20UNC x3 1/2-10.9                             |
| 16      | 125.0  | 94     | 227.5  | 172.0   | 28      | 28      | 12.0   | 36.0   | 15      | 100.0   | 11.8        | 12                 | A16                              | 4x M10x80-10.9<br>2x M6x85-10.9 | 4x 3/8-16UNC x3 1/4-10.9<br>2x 1/4-20UNC x3 1/4-10.9 |
| 25      | 150.0  | 120    | 276.0  | 220.0   | 28      | 28      | 14.0   | 44.9   | 20      | 130.0   | 23.7        | 14                 | A25                              | 6x M12x110-10.9                 | 6x 1/2-13UNC x4 1/2-10.9                             |

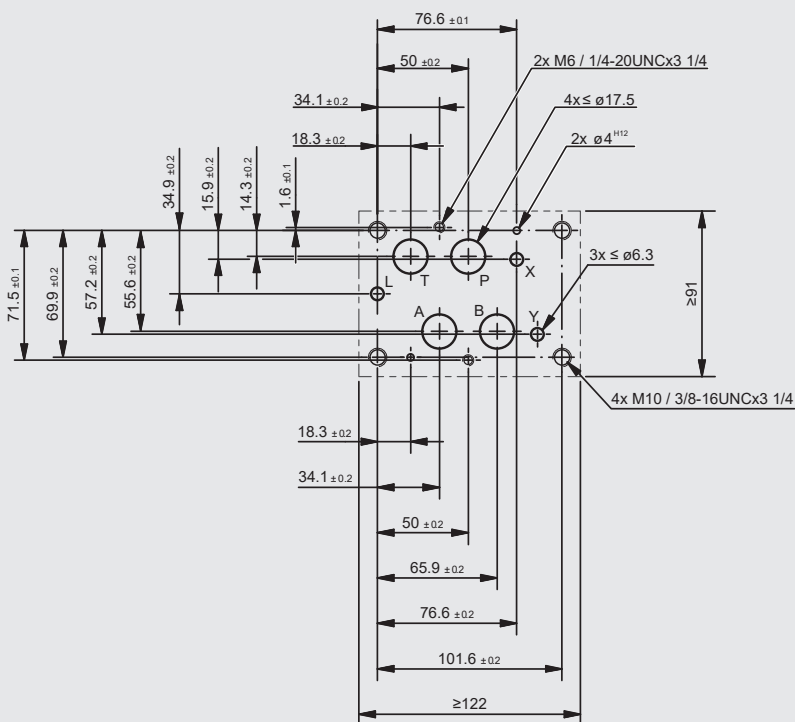
# CETOP INTERFACE as per DIN 24340 or ISO 4401

[dimensions in mm]

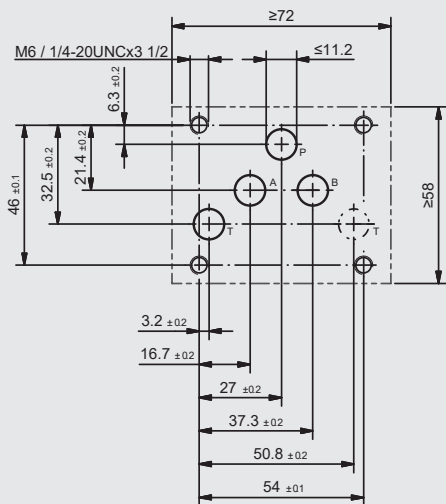
## DN 06



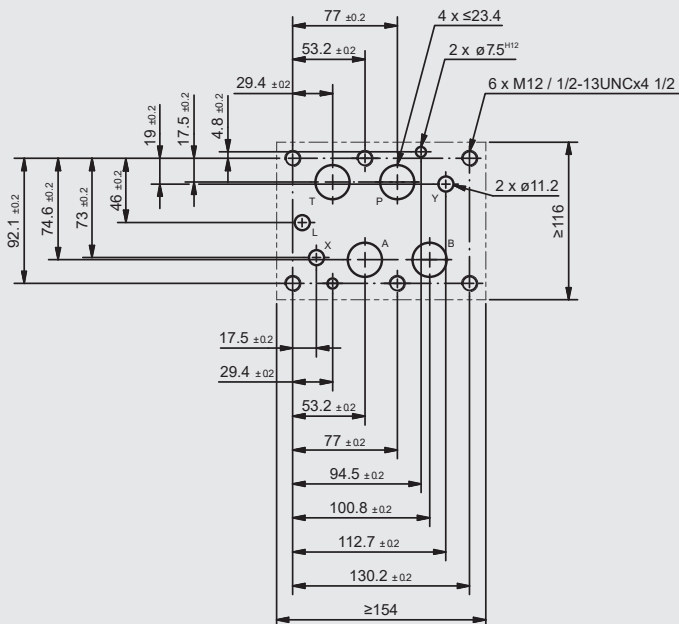
## DN 16



## DN 10



## DN 25



## NOTE

The information in this brochure relates to the operating conditions and applications described. For applications and/or operating conditions not described please contact the relevant technical department.

The operator is always responsible for determining the product suitability for the specific application. Quantified values for product characteristics are average values for a new product that undergo a time deterioration process.

Subject to technical modifications and errors.

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