

Plates for valves and directional control valves nominal size 16, type G174/01

NS 16 | p_{max} 35 MPa | WK 450 788



DATA SHEET - OPERATION MANUAL

APPLICATION

Plates type G174/01 are intended for threaded connection of directional control valves, throttle/check valve and check valves of nominal size 16 (NS16) with porting pattern compliant with ISO 4401 - 07, with/without control channels and internal leakage drain.

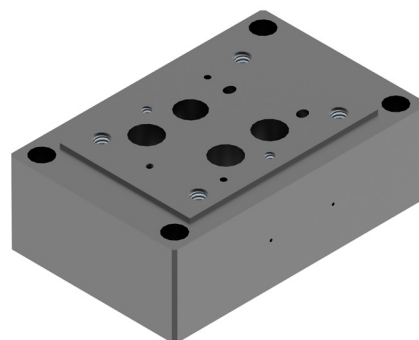
DESCRIPTION OF OPERATION

Plate type G174/01 is used for threaded connection of directional control valves, throttle/check valves and check valves of nominal size 16 with porting pattern compliant with:

- ISO 4401- 07-06-0-94 (ISO 4401 - 07)
- CETOP RP 121H - 4.2-4-07-320 (CETOP 07)
- DIN 24340 form A (NG16)

The table below lists examples of nominal size 16 products offered by PONAR Wadowice S.A., for which the plate G174/01 is intended.

name	type	WK number
electro-hydraulically operated directional control valve	WEH16	WK 499 482
hydraulically operated directional control valve	WH16	WK 499 501
directional control valve operated with a lever	WMM16	WK 499 800
check valve, sandwich plate type	Z2S16	WK 450 310
double throttle/check valve	Z2FS16	WK 423 690



HOW TO ORDER

Plates for valves/directional control valves of nominal size 16 must be ordered by type:

type	weight
G174/01	5,5 kg

Fixing screws for the valves/directional control valves acc. to PN - EN ISO 4762 (PN/M - 82302):

- M10 x L* - 10.9 - pcs. 4/set;
- M6 x L* - 10.9 - pcs. 2/set;

delivered on separate order.

NOTE:

(*) - length of the screws L depends from the number of sandwich-mounted elements.

Coding example of plate for valves/directional control valves of nominal size 16 with porting pattern acc. to ISO 4401 - 07 with threaded connection
P, T, A, B - G1; X, Y, L - G 1/4:

Plate type G174/01

OVERALL AND CONNECTION DIMENSIONS

1. mounting surface of the valve/directional control valve
2. holes for fixing screws of the valve/directional control valve M10 - tightening torque of the screws $M_d = 62 \text{ Nm}$, M6 - tightening torque of the screws $M_d = 12,5 \text{ Nm}$
3. bore chamber in the mounting plate for tube couplings
4. connections according to PN - EN ISO 1179 - 1 (thread compliant with PN - EN ISO 228 -1)

functions of ports P, T, A, B, X, Y, L:

P - pump connection

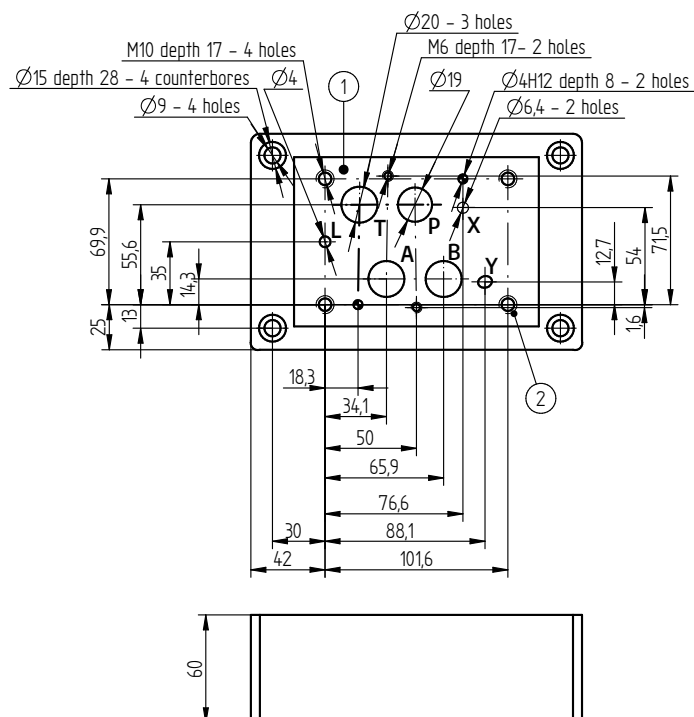
T - oil drain to the tank

A, B - connections of the receiver (valve or directional control valve)

X - supply of control pressure*

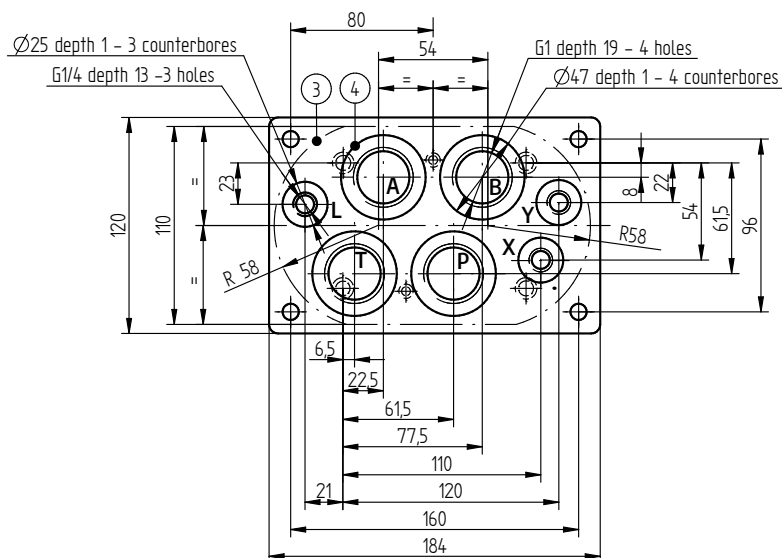
Y - drain of the control flow*

L - leakage drain**



* refers to directional control valves
WH16 and WEH16 (versions with external supply of control flow)

** refers to directional control valves
WMM 16 and WEH16 (version with
hydraulic centering)



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