Mounting subplates type BA-214/*-AL

multi-station, for valves ISO 4401 size 06, in aluminium

The multi-stations subplates type BA-214/*-AL for directional control valves are in aluminium and their mounting surface are in accordance with the international standards ISO 4401.

They perform limited pressure drop and are made by a **single subplate** from 1 to 10 stations for directional valves and modular elements ISO 4401 size 06.

Main characteristics:
P and T ports = G 1/2; A and B lateral use ports G 3/8; M pressure gauge connection G1/4; Q_{max} = 80 l/min; Q_{max} use ports = 60 l/min; Pmax = 250 bar
Note: for versions /M and /MH Q_{max} = 35 l/min;

For other technical characteristics, see section 2 and 3.

1 MODEL CODE OF SUBPLATES TYPE BA-214/*-AL

BA-214 / 5 /MH / 210 -AL **

Type of subplate:
BA-214 = for valves ISO size 06
On request, available with rear ports A and B

Number of stations:
1 = one station
2 = two stations
3 = three stations
4 = four stations
5 = five stations
6 = six stations
7 = seven stations
8 = eight stations
9 = nine stations
10 = ten stations

Pressure range of pressure relief valve for versions /M and /MH:
100 = 100 bar
210 = 210 bar
250 = 250 bar

/M = with direct operated pressure relief cartridge CART M-5/** - see tab. C010 (available also as spare part)
/MH = with pressure relief valve type CART M-5, arranged with venting solenoid valve

-AL = in aluminium
On request, available with anodizing

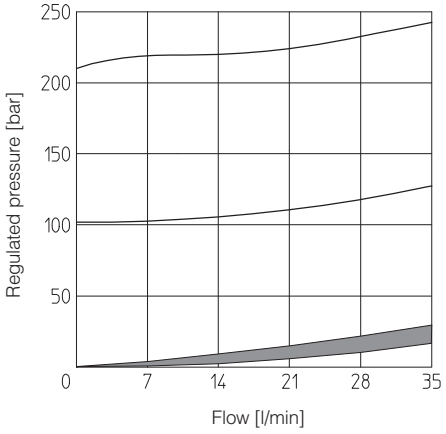
Series number

2 TECHNICAL CHARACTERISTICS

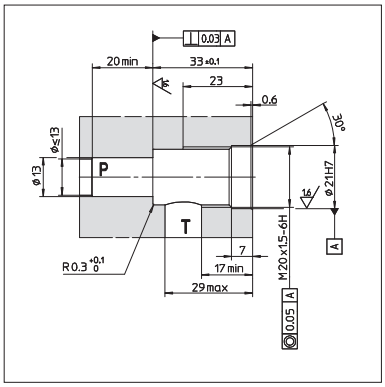
Installation position	Horizontal or vertical position
Ambient temperature	From - 20°C to + 70°C
Fluid	Hydraulic oil as per DIN 51524 ... 535, for other fluids contact our technical office
Recommended viscosity	15 ÷ 100 mm 2 /s at 40°C (ISO VG 15 ÷ 100)
Fluid contamination class	ISO 19/16 achieved with in line filters at 25µm and $ß_{25} \geq 75$ (recommended only for versions /M and /MH)
Fluid temperature	-20°C +60°C (standard and /WG seals) -20°C +80°C (/PE seals)

3 REGULATED PRESSURE/FLOW DIAGRAM FOR VERSIONS /M and /MH

MAIN CHARACTERISTICS OF ENCLOSED PRESSURE RELIEF VALVE	
Model code	Regulation range
CART M-5/100	3 ÷ 100 bar
CART M-5/210	5 ÷ 210 bar
CART M-5/250	7 ÷ 250 bar
Q_{max} = 35 l/min	

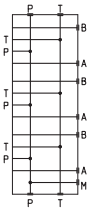


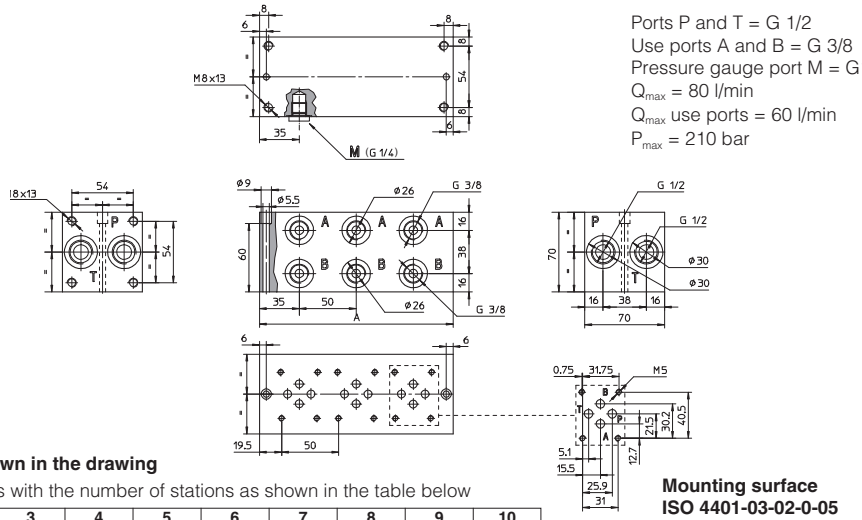
4 INSTALLATION DIMENSIONS OF CART M-5/***



5 OVERALL DIMENSIONS OF SUBPLATES TYPE BA-214/*-AL [mm]

Hydraulic scheme





Ports P and T = G 1/2
Use ports A and B = G 3/8
Pressure gauge port M = G1/4 (plugged)
Q_{max} = 80 l/min
Q_{max} use ports = 60 l/min
P_{max} = 210 bar

The 3-stations subplate is shown in the drawing

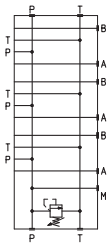
The lenght of the subplate varies with the number of stations as shown in the table below

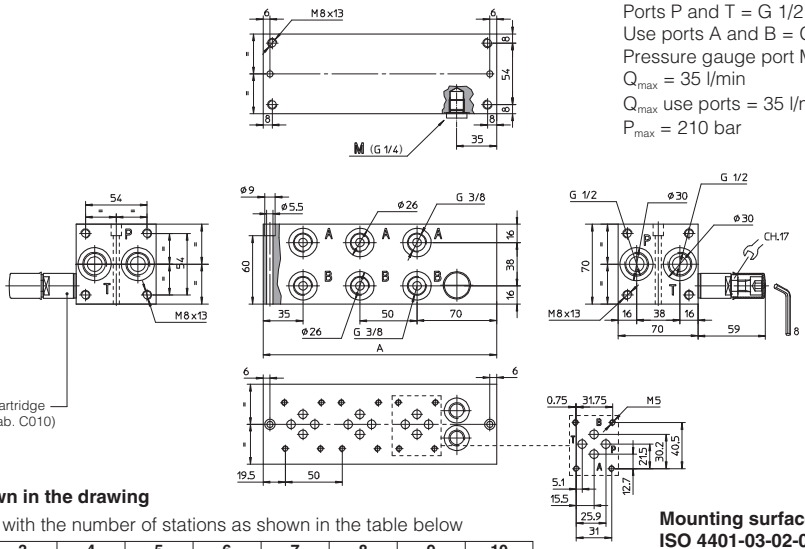
Stations	1	2	3	4	5	6	7	8	9	10
Dimension A	70	120	170	220	270	320	370	420	470	520
Mass [Kg]	1	1,4	2	2,6	3,2	3,8	4,4	5	5,6	6,2

Mounting surface ISO 4401-03-02-0-05

6 OVERALL DIMENSIONS OF SUBPLATES TYPE BA-214/*/M/*-AL [mm]

Hydraulic scheme





Ports P and T = G 1/2
Use ports A and B = G 3/8
Pressure gauge port M = G1/4 (plugged)
Q_{max} = 35 l/min
Q_{max} use ports = 35 l/min
P_{max} = 210 bar

The 3-stations subplate is shown in the drawing

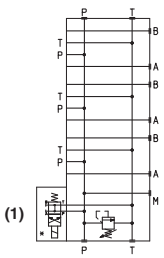
The lenght of the subplate varies with the number of stations as shown in the table below

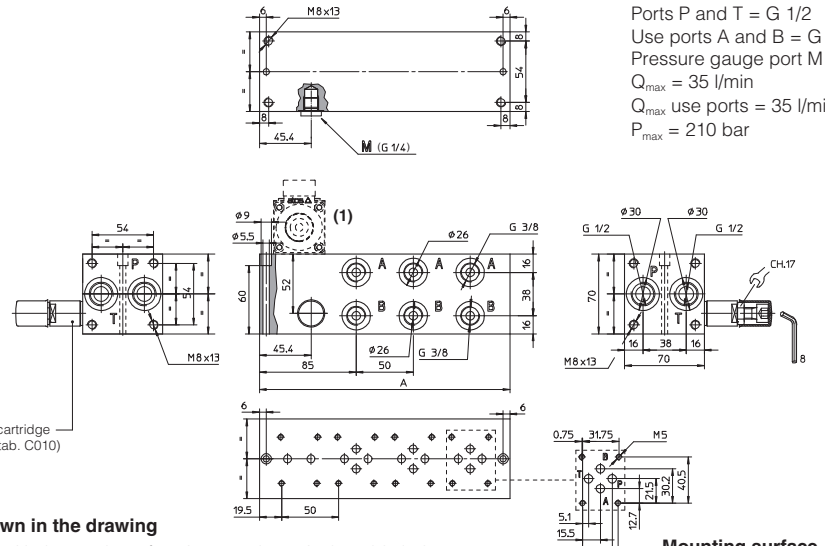
Stations	1	2	3	4	5	6	7	8	9	10
Dimension A	105	155	205	255	305	355	405	455	505	555
Mass [Kg]	1,1	1,5	2,1	2,7	3,3	3,9	4,5	5,1	5,7	6,3

Mounting surface ISO 4401-03-02-0-05

7 OVERALL DIMENSIONS OF SUBPLATES TYPE BA-214/*/MH/*-AL [mm]

Hydraulic scheme





Ports P and T = G 1/2
Use ports A and B = G 3/8
Pressure gauge port M = G1/4 (plugged)
Q_{max} = 35 l/min
Q_{max} use ports = 35 l/min
P_{max} = 210 bar

The 3-stations subplate is shown in the drawing

The lenght of the subplate varies with the number of stations as shown in the table below

Stations	1	2	3	4	5	6	7	8	9	10
Dimension A	120	170	220	270	320	370	420	470	520	570
Mass [Kg]	1,2	1,6	2,2	2,8	3,4	4	4,6	5,2	5,8	6,4

Mounting surface ISO 4401-03-02-0-05

(1) The venting directional valve in the dashing line must be ordered separately