

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 G 1/4; 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

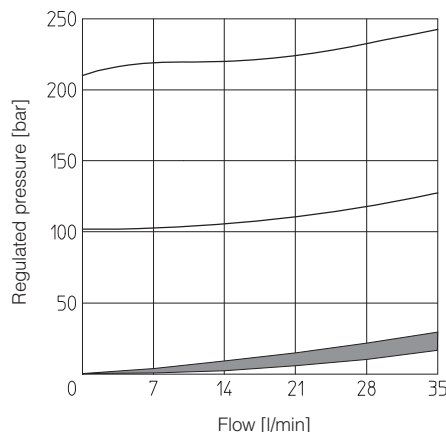
BA-214	/	5	/	/MH	/	210	-	AL	**
Type of subplate: BA-214 = for valves ISO size 06 On request, available with rear ports A and B								Series number	
Number of stations: 1 = one station 6 = six stations 2 = two stations 7 = seven stations 3 = three stations 8 = eight stations 4 = four stations 9 = nine stations 5 = five stations 10 = ten stations								-AL = in aluminium On request, available with anodizing	
								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	

2 TECHNICAL CHARACTERISTICS

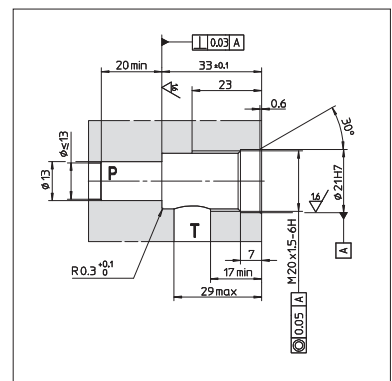
Installation position	Horizontal or vertical position
Ambient temperature	From -20°C to +70°C
Fluid	Hydraulic oil as per DIN 51524 ... 535, for other fluids contact our technical office
Recommended viscosity	15 ÷ 100 mm ² /s at 40°C (ISO VG 15 ÷ 100)
Fluid contamination class	ISO 19/16 achieved with in line filters at 25µm and β ₂₅ ≥ 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	

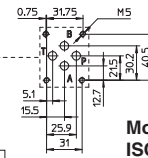
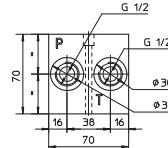
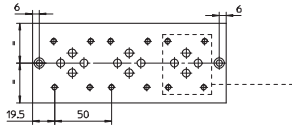
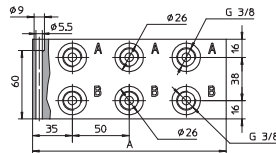
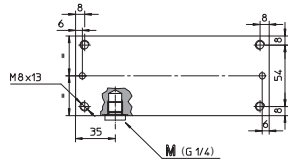
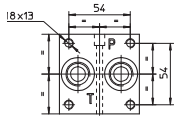
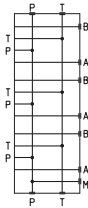


4 INSTALLATION DIMENSIONS OF CART M-5/***



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 = G 1/4 (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

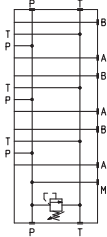
The length of the subplate varies with the number of stations as shown in the table below

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

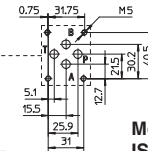
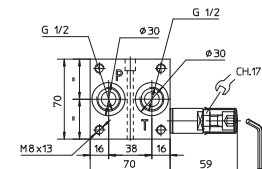
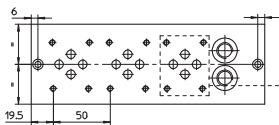
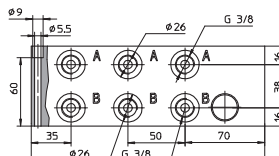
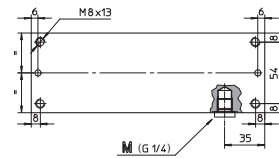
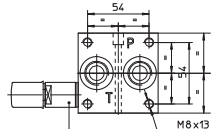
Mounting surface
 ISO 4401-03-02-0-05

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

Hydraulic scheme



Pressure relief cartridge
 CART M5 (see tab. C010)



Ports P and T = G 1/2
 Use ports A and B = G 3/8
 Pressure gauge port M = G 1/4 (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

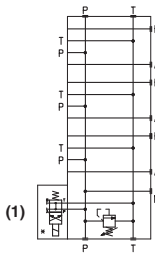
The length of the subplate varies with the number of stations as shown in the table below

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

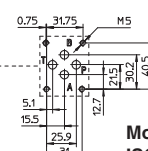
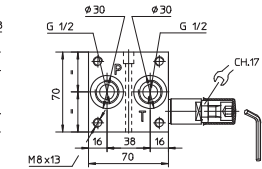
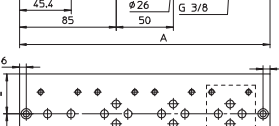
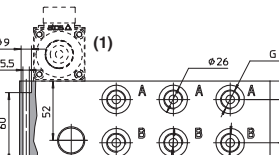
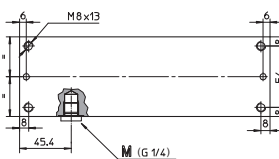
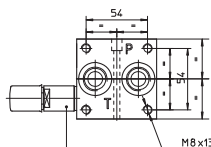
Mounting surface
 ISO 4401-03-02-0-05

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

Hydraulic scheme



Pressure relief cartridge
 CART M5 (see tab. C010)



Ports P and T = G 1/2
 Use ports A and B = G 3/8
 Pressure gauge port M = G 1/4 (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 length 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 dashed line must be ordered separately