

Mounting subplates type BA

Multi-station, for ISO 4401 size 06 and 10

The multi-station mounting subplates type BA for directional control valves are built in cast iron G25 (UNI/ISO 185) with phosphate coating and their mounting surface are in accordance with the international standards ISO 4401.

They perform limited pressure drops and are available in two families with different features:

spare part - see tab. C010) and check valve on line P for

valve and prearrangement for mounting of accumulator, pressure switches and manometer (not included) BA-244/1/PB = one station version, with prearrangement for mounting of

pressure reducing valve (not included) on offtake line

circuits with accumulator - see tab. C400. **BA-244/0/SA** = basic version without ISO interface, with discharge shut-off

through channel T with G 3/8 ports

• one G 3/8" port T on valve side

BA-*14 = made by a **single subplate** from 1 to 10 stations for directional valves and modular elements ISO size 06 (BA-214) and from 1 to 6 stations for directional valves and modular elements ISO size 10 (BA-314).

| Model | Port P | Port T | Use ports A and B | Qmax | Qmax use ports | Pmax |
|------------|--------|--------|-------------------|-----------|----------------|---------|
| BA-214 | G 1/2" | G 1/2" | G 3/8" lateral | 80 l/min | 60 l/min | 350 bar |
| BA-214/*/P | G 1/2" | G 1/2" | G 3/8" rear | 80 l/min | 60 l/min | 350 bar |
| BA-314 | G 3/4" | G 1" | G 3/4" lateral | 150 l/min | 100 l/min | 300 bar |
| BA-314/*/P | G 3/4" | G 3/4" | G 1/2"rear | 100 l/min | 80 l/min | 300 bar |

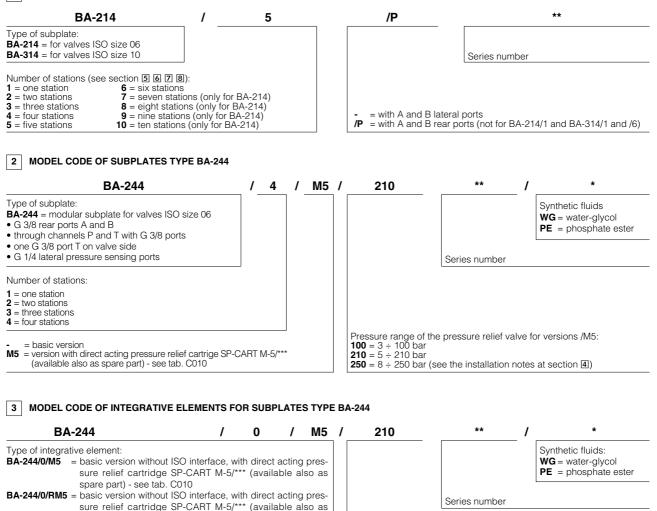
BA-244 = made by **modular subplates** with 1, 2, 3, 4 stations for directional valves and modular elements ISO 4401 size 06. Designed for the installation on to power units' cover, they can be easily assembled together via 4 socket headed cap screws M6 class 12.9 (included in the supply), to obtain the desired configuration (up to a maximum of twelve parallel stations).

They are available in the basic version or with direct acting pressure relief cartridge type SP-CART M-5/***. The integrative elements of this family allow to widen the mounting configurations and permit to solve all typical circuit solutions of

oleohydraulic plants.

P and T ports = G 3/8; A and B use ports = G 3/8; flow up to 35 l/min; pressure up to 250 bar.

1 MODEL CODE OF SUBPLATES TYPE BA-214



Pressure range of the pressure relief valve for versions /M5 and /RM5: 100 = 3 \div 100 bar

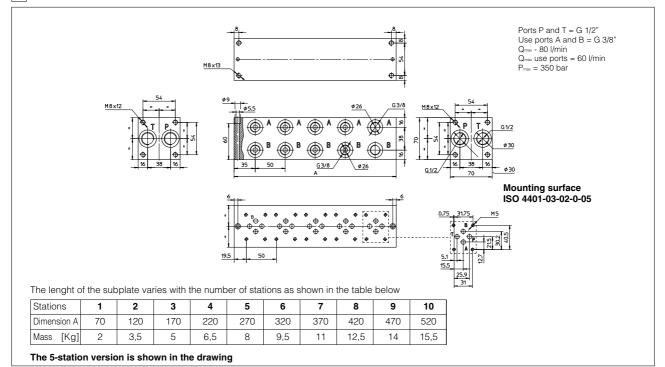
210 = 5 ÷ 210 bar

 $250 = 8 \div 250$ bar (see the installation notes at section 4)

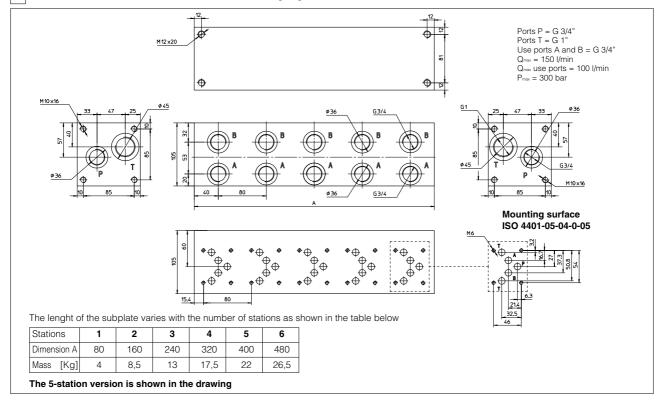
4 TECHNICAL CHARACTERISTICS

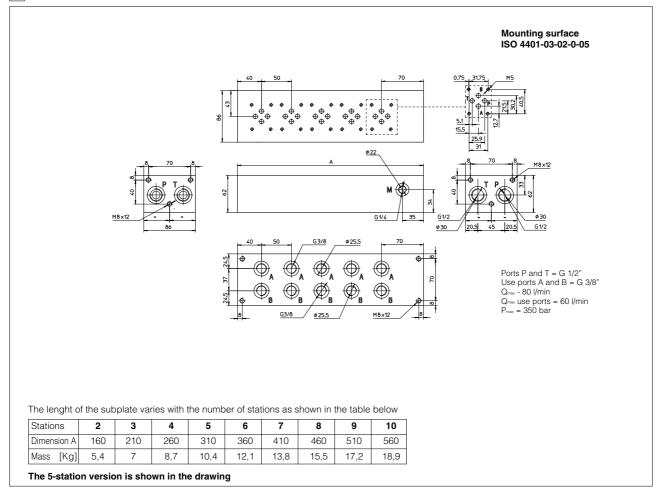
| Installation positions | Horizontal or vertical position. | | | |
|---------------------------|--|--|--|--|
| | For BA-244, if vertically mounted a maximum of 12 parallel stations can be obtained; if horizzontally | | | |
| | mounted, proper brackets are recommended to be used in all cases involving 4 or more overhanging | | | |
| | stations (see section 16). | | | |
| | N.B. The sum of the pressures acting at the same time on ports P and T must not exceed 250 bar. | | | |
| Ambient temperature | From -20 °C to +70 °C | | | |
| Fluid | Hydraulic oil as per DIN 51524535, for other fluids contact our technical office | | | |
| Recommended viscosity | 15 ÷ 100 mm²/s at 40 °C (ISO VG 15 ÷ 100) | | | |
| Fluid contamination class | ISO 19/16 achieved with in line filters at 25 μ m value and $\beta_{25} \ge 75$ (recommended only for versions /MS | | | |
| | and /RM5) | | | |
| Fluid temperature | -20°C +60°C (standard and /WG seals) -20°C +80°C (/PE seals) | | | |

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

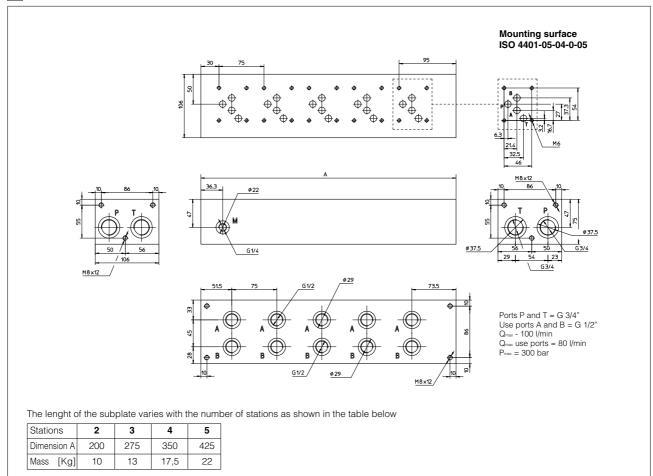


6 OVERALL DIMENSIONS OF SUBPLATES TYPE BA-314 [mm]

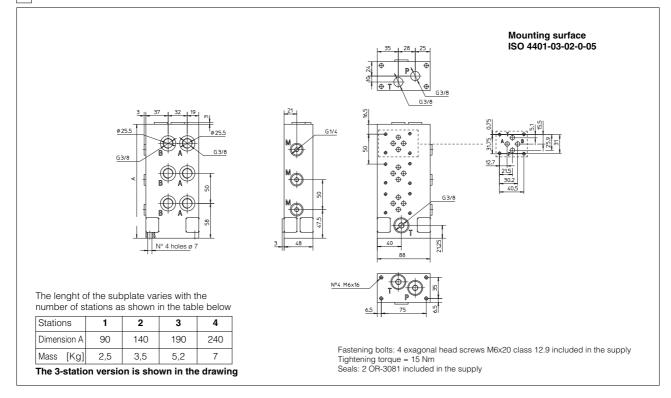




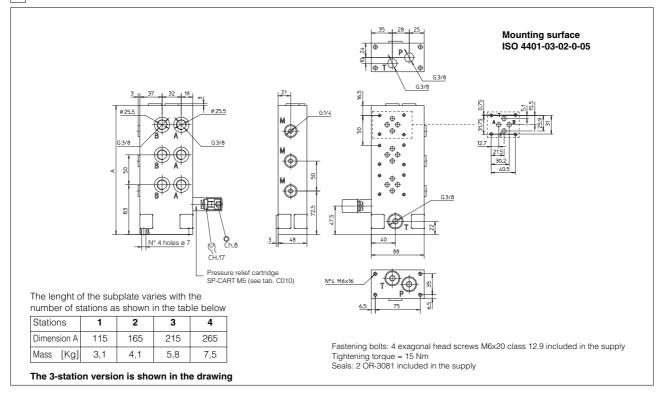
8 OVERALL DIMENSIONS OF SUBPLATES TYPE BA-314/*/P [mm]



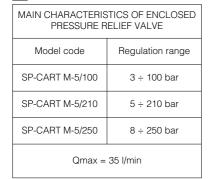
The 5-station version is shown in the drawing

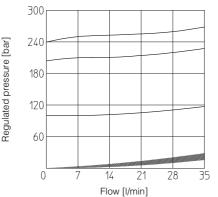


10 OVERALL DIMENSIONS OF SUBPLATES TYPE BA-244/M5 [mm]

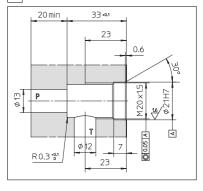


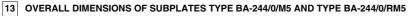
11 REGULATED PRESSURE/FLOW DIAGRAMS FOR VERSIONS BA-244/M5 AND /RM5

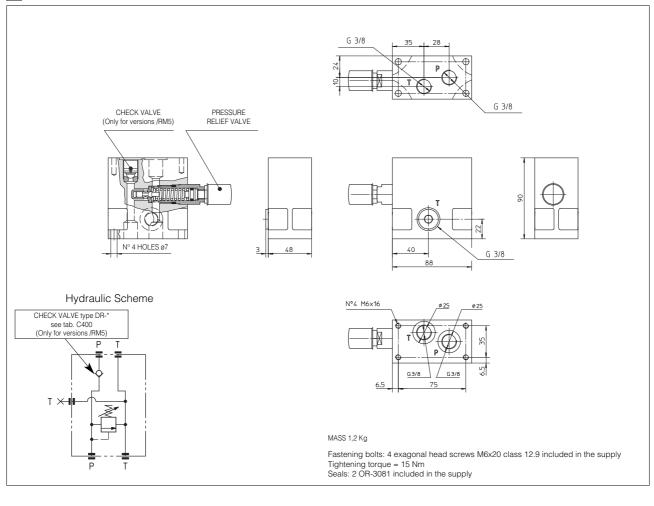




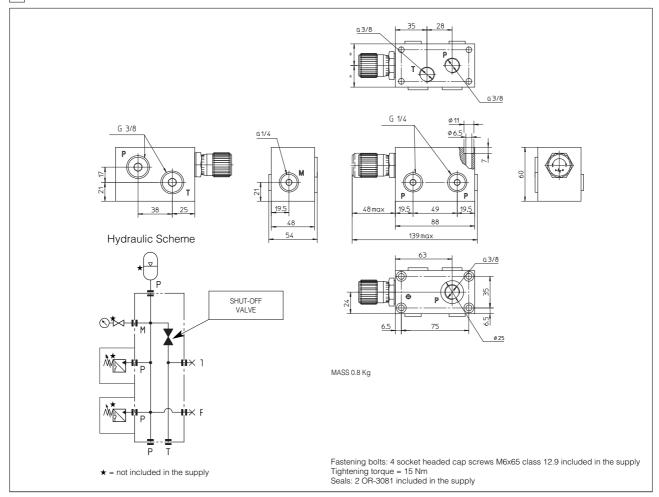
12 DIMENSIONS OF SP-CART M-5/*** SEAT

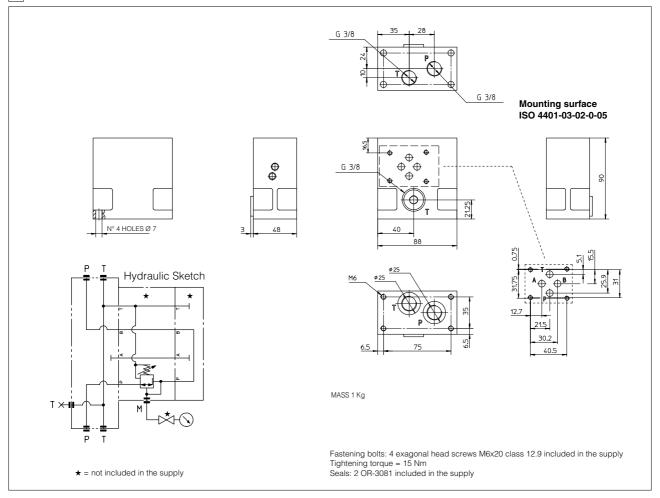






14 OVERALL DIMENSIONS OF SUBPLATES TYPE BA-244/0/SA





16 EXAMPLES OF APPLICATION FOR SUBPLATES TYPE BA-244

