

FEATURES

- Spool valve protected against food and beverage environment thanks to stainless steel screws
- The valves offer environmental protection against the ingress of liquids, dusts or other foreign matter (environmentally protected construction)
- For high reliability in very humid outside environments, the versions on page P524-1 should preferably be used.

GENERAL

| | |
|----------------------------|---|
| Fluids | Air or neutral gas, filtered, lubricated or not |
| Operating pressure | 2 to 10 bar |
| Ambient temperature | -25°C to +60°C |
| Flow (Qv to 6 bar) | 860 l/min (ANR) - Kv : 12,5 |

CONSTRUCTION

SPOOL VALVE

| | |
|-----------------------|--|
| Body | Aluminium, black anodized |
| Internal parts | Zinc diecast, stainless steel, POM (polyacetal), aluminium |
| Seals | NBR (nitrile) and PUR (polyurethane) |
| Screws | Stainless steel 316L |

PILOT VALVE

| | |
|----------------------------------|--|
| Seals | NBR (nitrile) and PUR (polyurethane) |
| Electrical safety | IEC 335 |
| Coil and magnetic circuit | Encapsulated monobloc design |
| Exhaust | Tapped M5 exhaust port, equipped with exhaust protection |



ELECTRICAL CHARACTERISTICS

| voltage | consumption | | insulation class | protection degree | electrical connection |
|----------------------------------|-------------|----------------|------------------|-------------------|---|
| | inrush | holding | | | |
| ~ 24V - 48V - 115V - 230V / 50Hz | 6 VA | 3,5 VA (2,5 W) | F | IP 65 | spade plug connector size 22 DIN 43650, industry standard B with cable length of 2m |
| = 24V - 48V | 2,5 W | | | | |

SPECIFICATIONS

| symbol | operators | catalogue number | (M) |
|--------|--|---------------------|-----|
| | solenoid air pilot (14) return (12) | with connector | |
| | spring | SCG551A091MS | ● |
| | solenoid air | SCG551A093MS | ● |

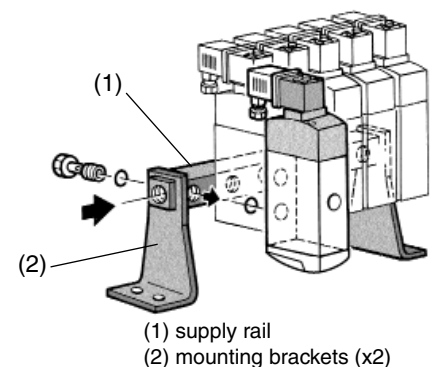
(M) Type of manual operator on pilot(s): ● : maintained

ACCESSORIES

- Supply rails

| | supply rail supplied with seals and banjo bolts (without mounting brackets) (1) | supply rail with isolation valves - allows isolation of one or more spool valves from the main pressure supply |
|-----------------------------------|---|--|
| supply rail for «n» valves | G 1/4 | G 1/4 |
| 2 | 88100034 | 88100915 |
| 3 | 88100035 | 88100916 |
| 4 | 88100036 | 88100917 |
| 5 | 88100037 | 88100918 |
| 6 | 88100038 | 88100919 |
| 7 | 88100039 | 88100920 |
| 8 | 88100040 | 88100921 |

- Set of 2 mounting brackets (2) for supply rail - catalogue number : **88100049**



OPTIONS

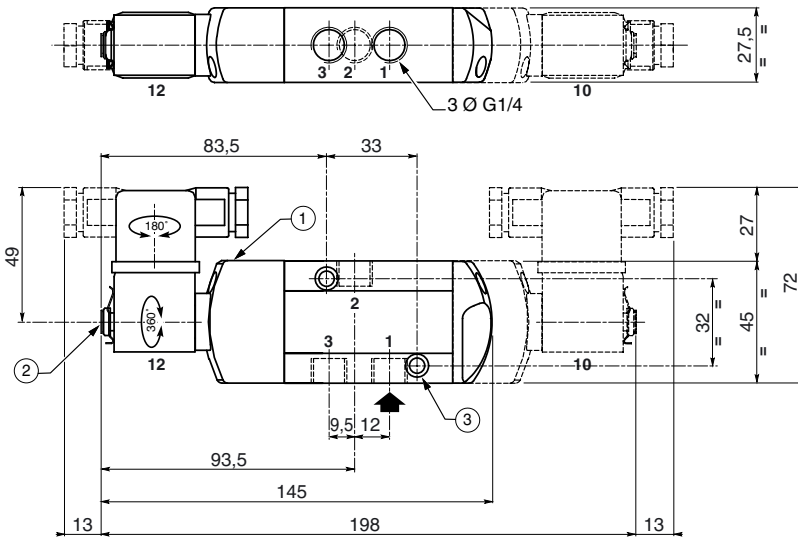
- Other voltages and 60 Hz on request
- Spade connector size 22, IP67 with integrated visual LED and varistor protection with PVC 0,75mm² cable length of 2 m : **88100937**
- Solenoid valve with connector equipped with visual indicator and built-in electrical protection:

catalogue number of spool valve without connector + catalogue number of connector with visual indicator and built-in electrical protection (~ / =)

| 24V | 48V | 115V | 230V |
|-----------------|-----------------|-----------------|-----------------|
| 88122405 | 88122406 | 88122407 | 88122410 |

DIMENSIONS (mm), WEIGHT (kg)

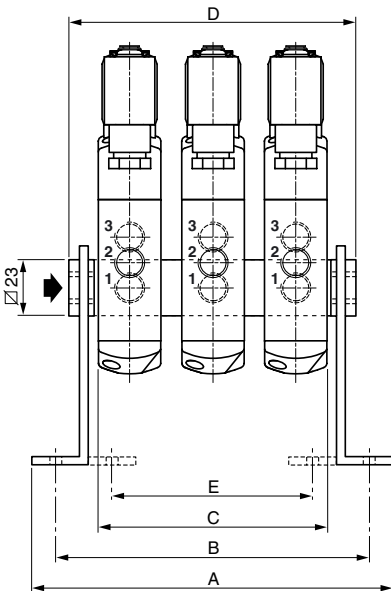
Weight: Spool valve + 1 pilot = 0,316 kg
 Spool valve + 2 pilots = 0,436 kg



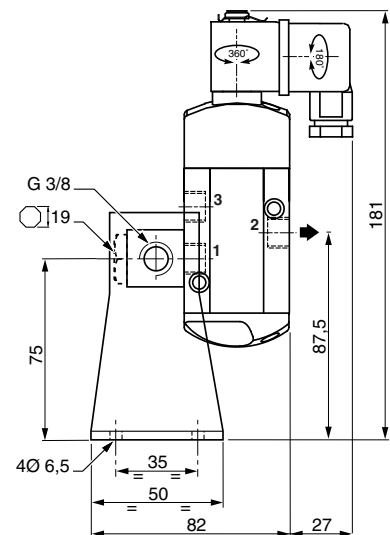
3/2 NC connection
 1 = Pressure
 2 = Outlet
 3 = Exhaust
 10 = Return
 12 = Pilot

- ① Maintained manual operator
- ② Connectable M5 exhaust with protection
- ③ 2 mounting holes: Ø 5,3 spotfacing: Ø 9, depth 5

ASSEMBLY WITH COMMON SUPPLY RAIL



| series 551 | number of valves | | | | | | |
|---------------|------------------|-----|-----|-----|-----|-----|-----|
| | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| A | 108 | 136 | 164 | 192 | 220 | 248 | 276 |
| B | 92 | 120 | 148 | 176 | 204 | 232 | 260 |
| C | 55 | 83 | 111 | 139 | 167 | 195 | 223 |
| D | 78 | 106 | 134 | 162 | 190 | 218 | 246 |
| E | 42 | 70 | 98 | 126 | 154 | 182 | 210 |
| type | weight (kg) | | | | | | |
| with 1 pilot | 0,9 | 1,3 | 1,7 | 2,0 | 2,4 | 2,9 | 3,3 |
| with 2 pilots | 1,2 | 1,7 | 2,1 | 2,6 | 3,1 | 3,6 | 4,1 |



This mounting arrangement allows valves to be mounted in any of 4 positions

