







5/2-directional valve, Series CD07

- Valves with Namur port as per VDI/VDE3845
- 5/2
- Qn = 1200 l/min
- Pilot valve width : 30 mm
- Pipe connection
- Compressed air connection output : Namur base plate
- Electrical connection : Plug, EN 175301-803, form A, 3-pin
- -25 °C cold-resistant
- Manual override : with detent
- double solenoid
- Pilot : Internal



| | |
|-------------------------------|-------------------------------------|
| Type | Spool valve, positive overlapping |
| Activation | Electrically |
| Pilot | Internal |
| Sealing principle | Soft sealing |
| Standards | NAMUR |
| Working pressure min./max. | 2 ... 10 bar |
| Control pressure min./max. | 2 ... 10 bar |
| Ambient temperature min./max. | -25 ... 50 °C |
| Medium temperature min./max. | -25 ... 50 °C |
| Medium | Compressed air |
| Max. particle size | 50 µm |
| Oil content of compressed air | 0 ... 1 mg/m³ |
| Nominal flow Qn | 1200 l/min |
| Nominal flow 1 ► 2 | 1200 l/min |
| Nominal flow 2 ► 3 | 1200 l/min |
| Compressed air connection | according to ISO 228-1 |
| Pilot control exhaust | with directional pilot air exhaust |
| Connector standard | EN 175301-803:2006 |
| Reverse polarity protection | Protected against polarity reversal |
| Compatibility index | 13 14 |
| Duty cycle | 100 % |
| Weight | See table below |

Technical data

| Part No. | | MO | Compressed air connection | Compressed air connection |
|------------|---|---|---------------------------|---------------------------|
| | | | Input | Output |
| 5776620220 |  |  | G 1/4 | Namur base plate |
| 5776625280 |  |  | G 1/4 | Namur base plate |
| 5776625302 |  |  | G 1/4 | Namur base plate |

| Part No. | Compressed air connection | Compressed air connection |
|------------|---------------------------|---------------------------|
| | Exhaust | Pilot Exhaust |
| 5776620220 | G 1/4 | M5 |
| 5776625280 | G 1/4 | M5 |
| 5776625302 | G 1/4 | M5 |

| Part No. | Operational voltage | Operational voltage | Operational voltage |
|------------|---------------------|---------------------|---------------------|
| | DC | AC 50 Hz | AC 60 Hz |
| 5776620220 | 24 V | - | - |
| 5776625280 | - | 230 V | 230 V |
| 5776625302 | - | - | - |

| Part No. | Voltage tolerance | Voltage tolerance | Voltage tolerance | Power consumption |
|------------|-------------------|-------------------|-------------------|-------------------|
| | DC | AC 50 Hz | AC 60 Hz | DC |
| 5776620220 | -10% / +10% | - | - | 2,1 W |
| 5776625280 | - | -20% / +10% | -10% / +20% | - |
| 5776625302 | - | - | - | - |

| Part No. | Holding power | Holding power | Switch-on power | Switch-on power |
|------------|---------------|---------------|-----------------|-----------------|
| | AC 50 Hz | AC 60 Hz | AC 50 Hz | AC 60 Hz |
| 5776620220 | - | - | - | - |
| 5776625280 | 4,8 VA | 4,1 VA | 6,9 VA | 5,8 VA |
| 5776625302 | - | - | - | - |

| Part No. | Typ. switch-on time | Typ. switch-off time | Protection class | basic valve with electrical connector |
|------------|---------------------|----------------------|------------------|---------------------------------------|
| | | | with connection | |
| 5776620220 | 21 ms | 21 ms | IP65 | - |
| 5776625280 | 21 ms | 21 ms | IP65 | - |
| 5776625302 | - | - | - | Basic valve without coil |

| Part No. | ATEX | Weight |
|------------|---------------|--------|
| 5776620220 | - | 0,8 kg |
| 5776625280 | - | 0,8 kg |
| 5776625302 | ATEX optional | - |

Nominal flow Q_n at 6 bar and Δp = 1 bar, MO = Manual override

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

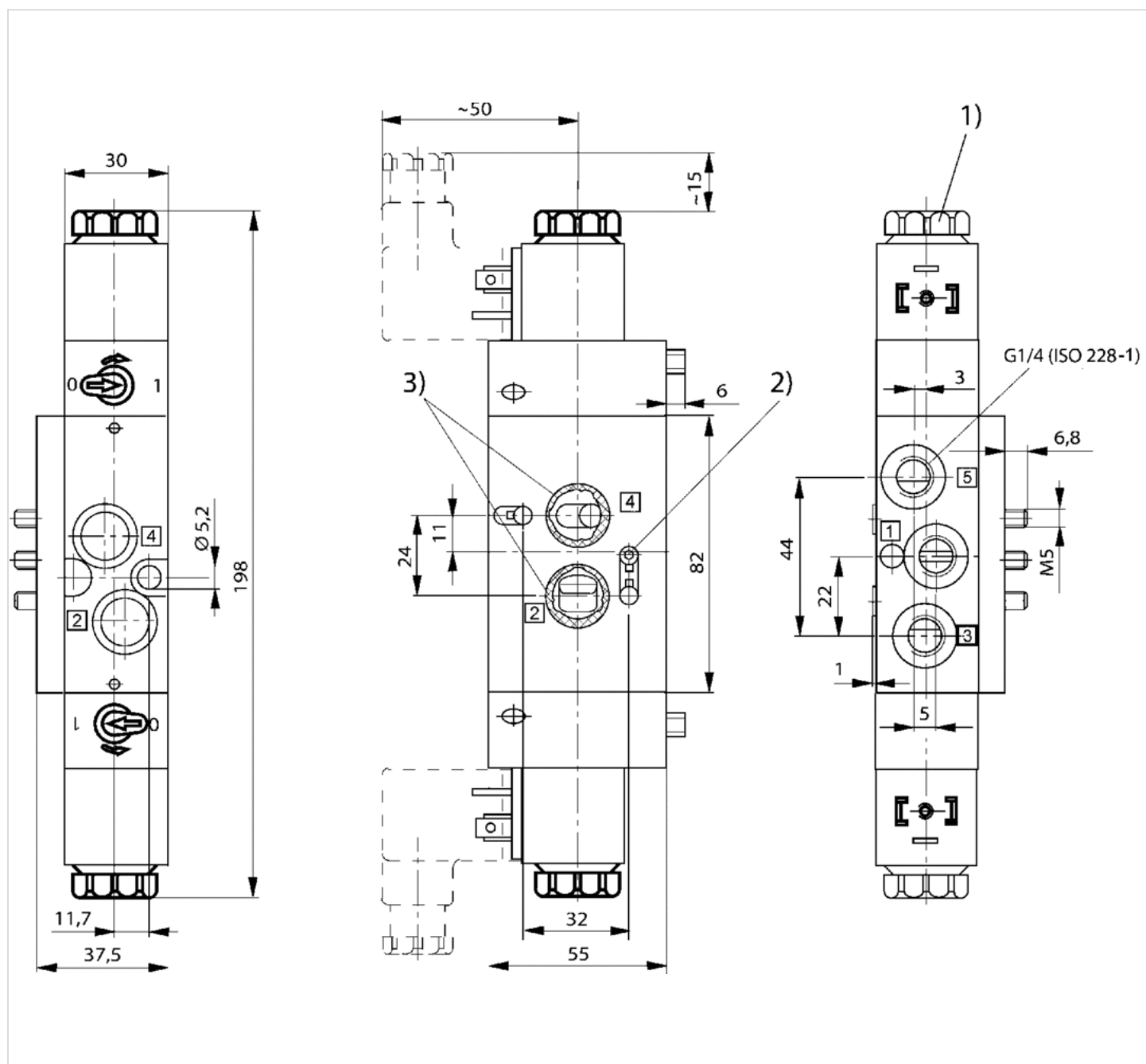
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

| Material | |
|----------|--|
| Housing | Die cast zinc Polyamide fiber-glass reinforced |
| Seals | Acrylonitrile butadiene rubber |

Dimensions

Dimensions



1) after removal of cap M 5 internal thread 2) threaded pin DIN 914 M5 x 20 3) O-ring 16 x 2 (included)

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