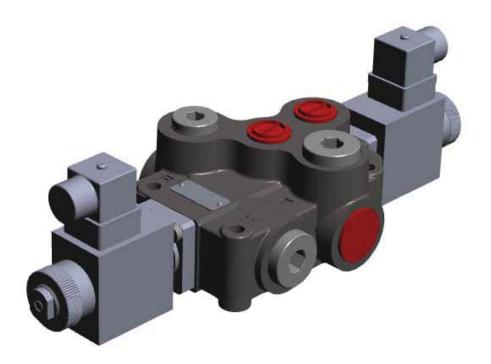


# Z80 MONOBLOCK VALVES - SOLENOID CONTROL



# Technical parameters:

Nominal flow
Max operating pressure, P=250; T=10 bar
Leakage (A,B>T)
Hydraulic liquid Mineral base oil Viscosity
Fluid temperature
Ambient temperature
Spool stroke
Actuating force

80 l/min A , B = 300 bar 18 cm3/min at 120 bar 20...800 mm2/s -20C to 80C -40C...+60C 6 mm <220 N

DESCRIPTION: The directional mono block valve Z80 is a valve with specially machined body. The throttle channels are realized at the spool's surface. The design of the valve is implemented for applications which need precise and lightly distribution of hydraulic fluid. The construction guarantee precise metering diagram.

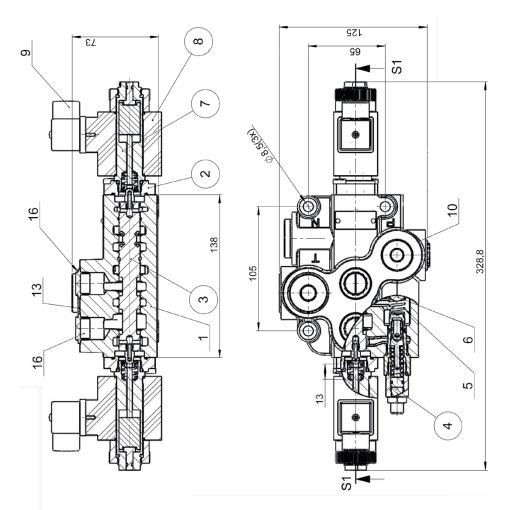


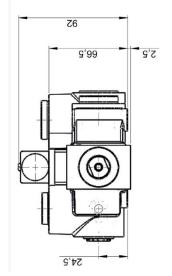




# VIIICE HILLS

# Z80 MONOBLOCK VALVES - SOLENOID CONTROL





| Part            | P1      | P2      | А       | В       | T1         | T2         | N          |
|-----------------|---------|---------|---------|---------|------------|------------|------------|
| 511.00.00.01-01 | G1/2    | G1/2    | G1/2    | G1/2    | G3/4       | G3/4       | G3/4       |
| -02             | 7/8 SAE | 7/8 SAE | 7/8 SAE | 7/8 SAE | 1"1/16 SAE | 1"1/16 SAE | 1"1/16 SAE |
| -03             | 1/2 NPT | 1/2 NPT | 1/2 NPT | 1/2 NPT | 3/4 NPT    | 3/4 NPT    | 3/4 NPT    |
| -04             | M22x1,5 | M22x1,5 | M22x1,5 | M22x1,5 | M26x1,5    | M26x1,5    | M26x1,5    |









# Z80 MONOBLOCK VALVES - SOLENOID CONTROL

# CONTROL

| Internal leakage A(B) → T   |
|---|
| $(P=120 \text{ bar, viscosity} = 32 \text{ mm}^2/\text{s}: \text{ max. } 40 \text{ l/m})$ |
| Fluid temperature - 20° C (short time)80 °C   |
| Max. back pressure on outlet port T – 25 bar (360 psi)                                    |

#### COIL

| Nominal voltage tolera    | ance ± 10% |  |
|---------------------------|------------|--|
| Power rating              | 37 W       |  |
| Coil insurance            | class H    |  |
| Duty cicle                | 100%       |  |
| Connector ISO 4400        |            |  |
| Emergency manual override |            |  |

# **BODY KIT**

| Туре  | Description |
|-------|-------------|
| 01Z80 | 1 spool     |
| 02Z80 | 2 spool     |
| 03Z80 | 3 spool     |
| 04Z80 | 4 spool     |
| 05Z80 | 5 spool     |
| 06Z80 | 6 spool     |



# SPOOL OPTIONS

| Туре | Description  |
|------|--|
| А    | Double acting, 3 positions with A and B closed in neutral position       |
| В    | Double acting, 3 positions with A and B open to tank in neutral position |

# CONTROL KIT

| Туре | Description  |
|------|--|
| ES1  | Single acting P – A with spring return in neutral position       |
| ES2  | Single acting P – B with spring return in neutral position       |
| ES3  | Double acting $P - A$ (B) with spring return in neutral position |

# COIL (with connector ISO 4400)

| Туре   | Description            |
|--------|------------------------|
| 12 VDC | Nominal voltage 12 VDC |
| 24 VDC | Nominal voltage 24 VDC |

# THREADS

| G | P, A, B - G1/2; T - G3/4 |
|---|--------------------------|





