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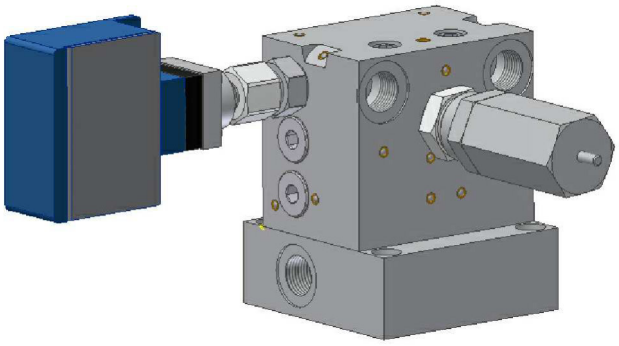
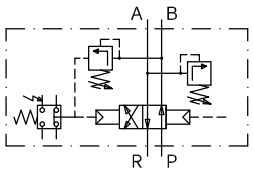
LUBRICATION SYSTEMS



# Line changeover valve by overpressure




## HZ02/A-1

380.150.000

### Application

Automatic inverter of primary tubes in double line installations with oil and grease.

### Operation

Pressure reversal is adjusted through screw "T" between 40 and 300 bar. When the pump starts up and reaches the above pressure the line reverses.

From initial position: P➡B / A➡R

It reverses to: P➡A / B➡R

After reversal the pump creates pressure on the other line following the same sequence: the calibrated pressure is reached causing another reversal and so on until the pump stops.

### Construction variations

-Without monitoring.

-Visual monitoring: it uses the movement of a rod assembled to the internal piston to monitor the sequences of the reversal cycle.

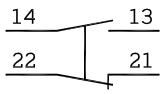
-Electrical monitoring with micro: it uses the movement of a rod assembled to the internal piston to activate an electrical micro in each cycle.

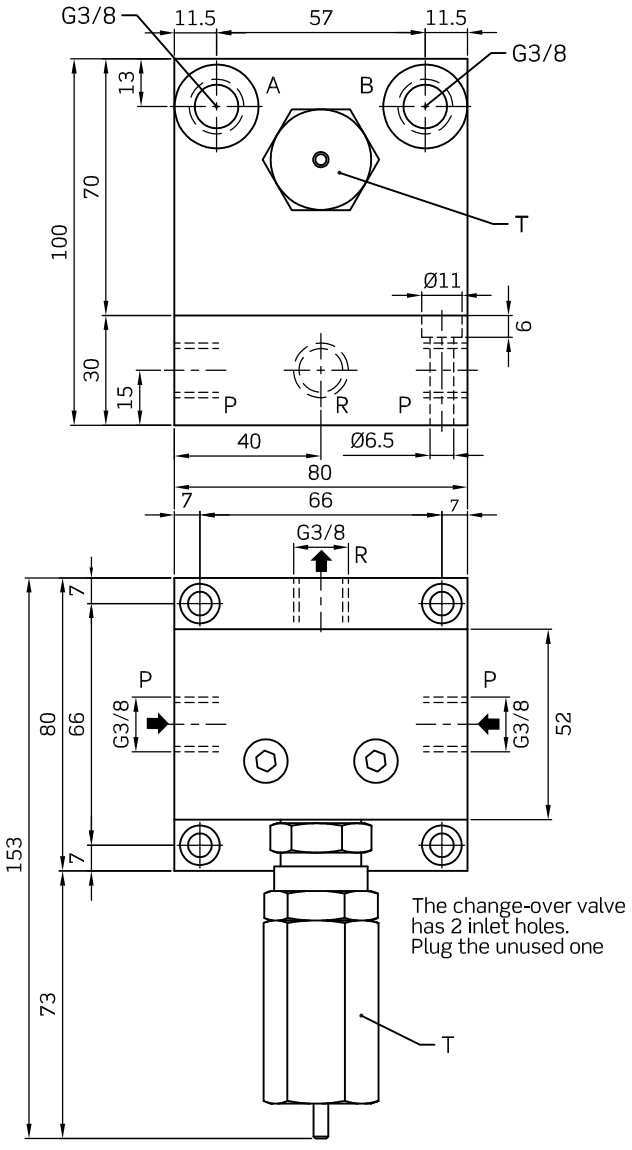
What is meant by cycle is the feeding of the two main lines namely, two complete rod travels: in - out or vice versa.

### Technical characteristics

Lubricant..... grease up to NLGI 3
Flow rate.....3 litres/hour
Maximum pressure..... 300 bar
Minimum pressure..... 40 bar
Seals..... viton

Micro technical characteristics
Protection degree.....IP 66
Category of use.....AC-15
3A 240V
Ui:500V / Uimp:6kV




The change-over valve has 2 inlet holes. Plug the unused one

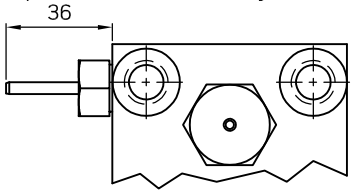
Order example: HZ02 / A - 1 / X X

| Base plate | |
|---|---|
| Without | 1 |
| With | 5 |

| Monitoring | |
|---|---|
| Without | 0 |
| Visual | 1 |
| Electrical | 2 |

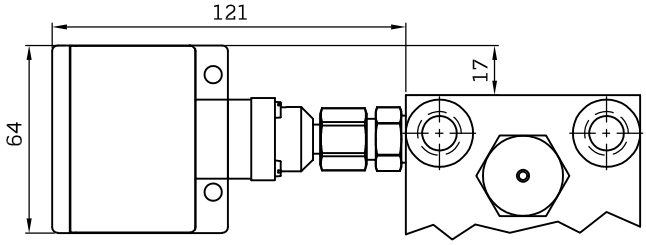
### -Visual monitoring

It uses the movement of a rod assembled to the internal piston to monitor the sequences of the reversal cycle.




### -Electrical monitoring with micro

The movement of a rod assembled to the internal piston activates an electrical micro in each cycle.



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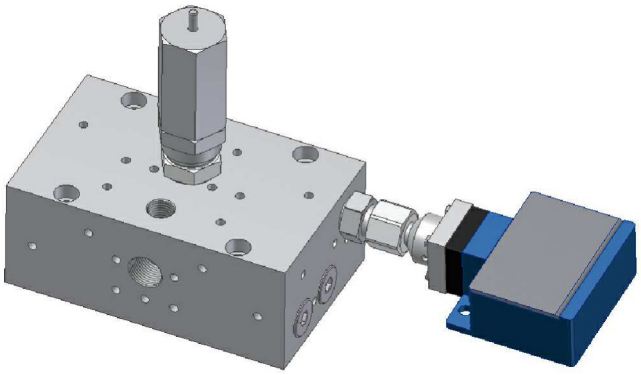
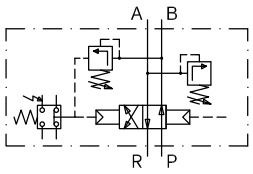


# Line changeover valve by overpressure




## HZ03/A-1

380.200.000

### Application

Automatic inverter of primary tubes in double line installations with oil and grease.

### Operation

Pressure reversal is adjusted through screw "T" between 40 and 300 bar. When the pump starts up and reaches the above pressure the line reverses.

From initial position: P➡B / A➡R

It reverses to: P➡A / B➡R

After reversal the pump creates pressure on the other line following the same sequence: the calibrated pressure is reached causing another reversal and so on until the pump stops.

### Construction variations

-Without monitoring.

-Visual monitoring: it uses the movement of a rod assembled to the internal piston to monitor the sequences of the reversal cycle.

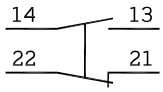
-Electrical monitoring with micro: it uses the movement of a rod assembled to the internal piston to activate an electrical micro in each cycle.

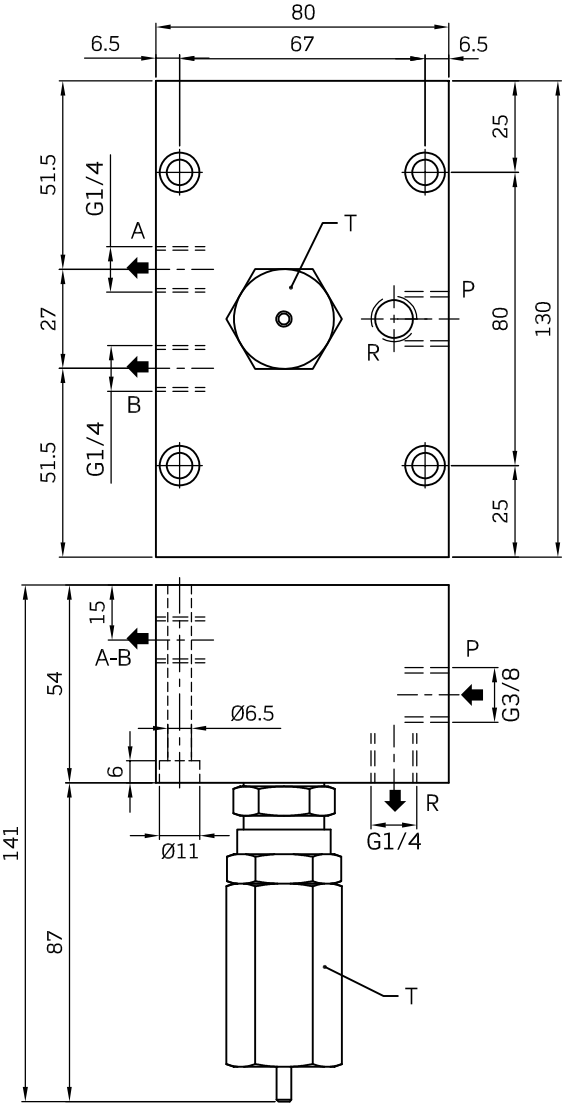
What is meant by cycle is the feeding of the two main lines namely, two complete rod travels: in - out or vice versa.

### Technical characteristics

Lubricant..... grease up to NLGI 3
Flow rate.....12 litres/hour
Maximum pressure..... 300 bar
Minimum pressure..... 40 bar
Seals..... viton

Micro technical characteristics
Protection degree.....IP 66
Category of use.....AC-15
3A 240V
Ui:500V / Uimp:6kV



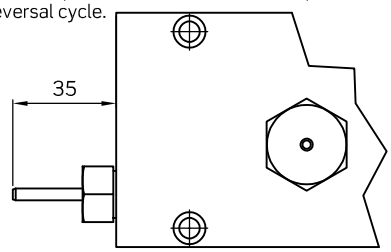




Order example: HZ03 / A - 1 / X

| Monitoring | |
|---|---|
| Without | 0 |
| Visual | 1 |
| Electrical | 2 |

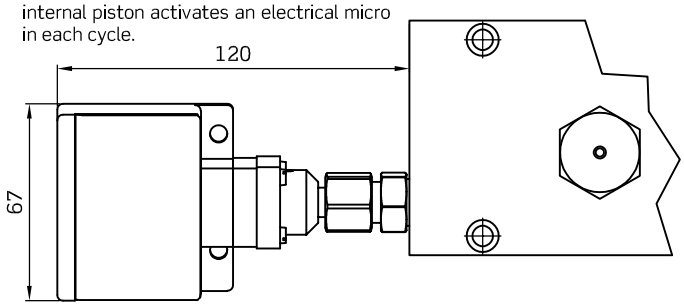
### -Visual monitoring

It uses the movement of a rod assembled to the internal piston to monitor the sequences of the reversal cycle.




### -Electrical monitoring with micro

The movement of a rod assembled to the internal piston activates an electrical micro in each cycle.



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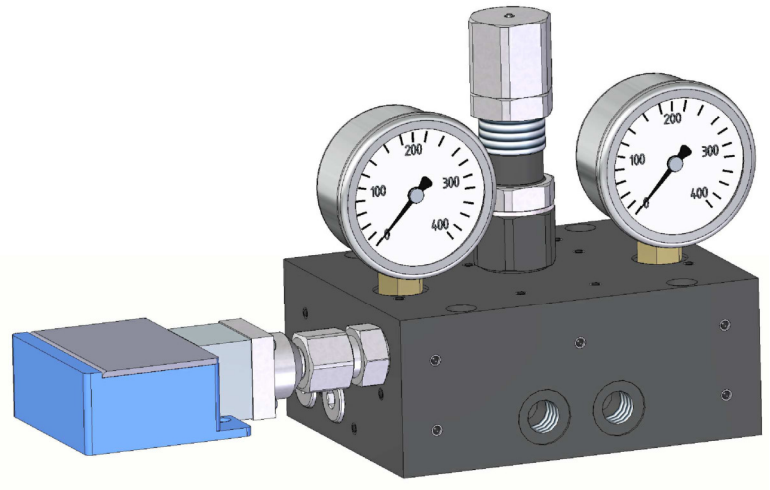
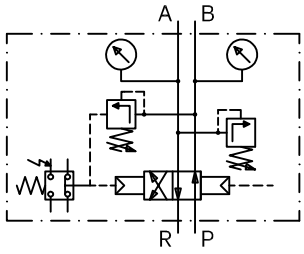





# Line changeover by overpressure with visual monitoring by pressure gauges

## HZ04/A-1

380.350.000

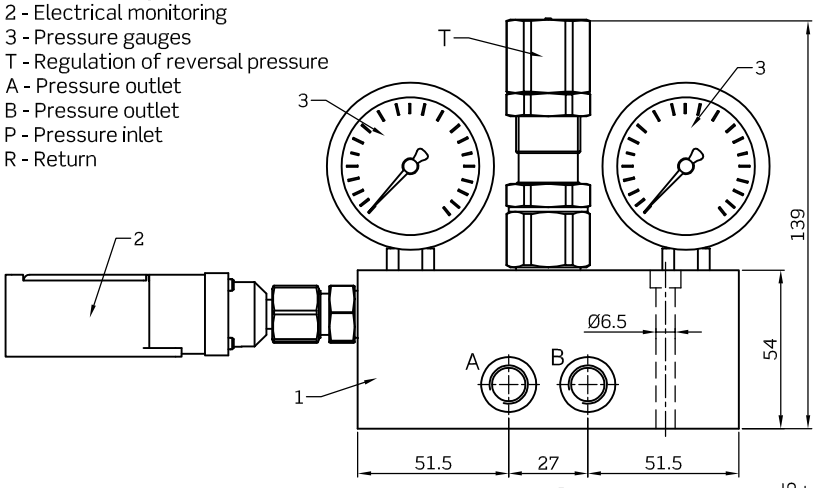
### Application

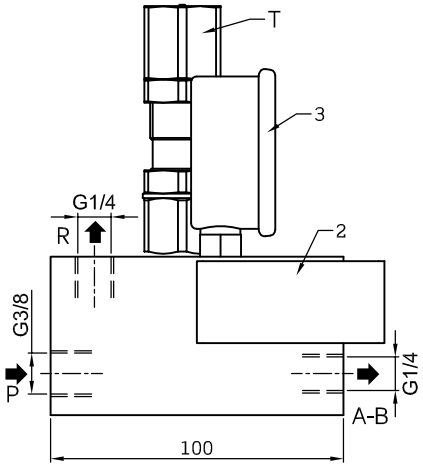
Automatic inverter of primary tubes in double line installations with oil and grease.

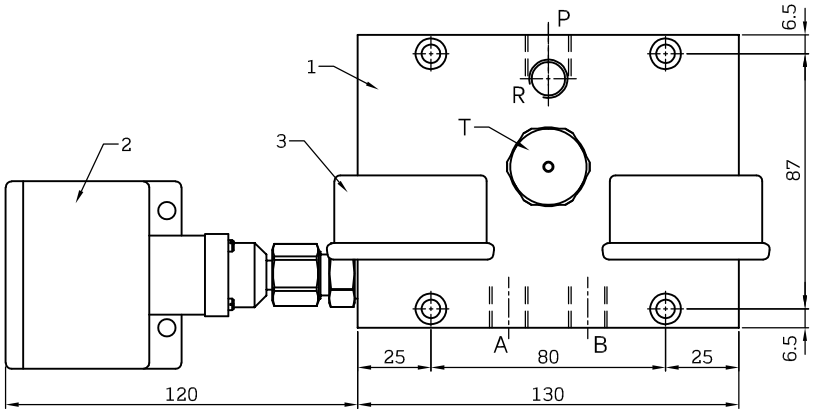
### Operation

Pressure reversal is adjusted through screw "T" between 40 and 300 bar. When the pump starts up and reaches the above pressure the line reverses.

1 - Inverter body
2 - Electrical monitoring
3 - Pressure gauges
T - Regulation of reversal pressure
A - Pressure outlet
B - Pressure outlet
P - Pressure inlet
R - Return



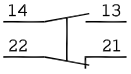




### Technical characteristics

Lubricant..... grease up to NLGI 3
Flow rate..... 12 litres/hour
Maximum pressure..... 300 bar
Minimum pressure..... 40 bar
Seals..... FPM

Micro technical characteristics

Protection degree..... IP 66
Category of use..... AC-15
3A 240V
Ui:500V / Uimp:6kV




Order example:

HZ04 / A - 1 / X

| Electrical monitoring | X |
|---|---|
| Without | 0 |
| With | 2 |