

| Symbol | Description |
|--------|----------------------------|
| ⦿ | Electrical power-24 VDC |
| ⦿ | Hydraulic pilotpressure |
| ○ | Valve opened |
| ● | Valve closed |
| ⦿ | Valve active-opened/closed |
| ⦿ | Component active |

| Function | Position | 205 | 210 | 215 | 220 | 222 | 225 | 226 | 227 | 230 | 235 | 240 | 245 | 250 | 260 | 261 | 270 | 275 | 280-284 | 290 | 295 |
|---|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|-----|-----|
| Normal operation | | ⦿ | ⦿ | ⦿ | ⦿ | ⦿ | ⦿ | ⦿ | | ⦿ | ⦿ | ⦿ | ⦿ | ⦿ | ⦿ | ⦿ | | | | ⦿ | ⦿ |
| Pressure holding-Normal operation | | | ⦿ | ⦿ | ⦿ | ⦿ | ⦿ | ⦿ | | ⦿ | ⦿ | ⦿ | ⦿ | ⦿ | | | | | | ⦿ | ⦿ |
| Parking mode | | | ⦿ | ⦿ | ⦿ | ⦿ | ⦿ | ⦿ | | ⦿ | ⦿ | ⦿ | ⦿ | ⦿ | | | | | | ⦿ | ⦿ |
| Pressure holding accu.side:parking mode | | | | | ⦿ | ⦿ | ⦿ | ⦿ | | ⦿ | ⦿ | ⦿ | ⦿ | ⦿ | | | | | | ⦿ | ⦿ |
| Pressure holding cyl. A-side:parking mode | | | | | | | | | | ⦿ | ⦿ | ⦿ | ⦿ | ⦿ | | | | | | | |
| Pressure holding cyl. B-side:parking mode | | | | | | | | | | ⦿ | ⦿ | ⦿ | ⦿ | ⦿ | | | | | | | |
| Emergency shutdown | | | | | ⦿ | ⦿ | ⦿ | ⦿ | | ⦿ | ⦿ | ⦿ | ⦿ | ⦿ | ⦿ | ⦿ | ⦿ | ⦿ | | ⦿ | ⦿ |
| Emergency shutdown-speed control | | | | | | | | | | ⦿ | ⦿ | ⦿ | ⦿ | ⦿ | | | | | | ⦿ | ⦿ |
| Pressure holding-Emergency shutdown | | | | | ⦿ | ⦿ | ⦿ | ⦿ | | ⦿ | ⦿ | ⦿ | ⦿ | ⦿ | | | | | | ⦿ | ⦿ |
| System pressurerelief | | | | | ⦿ | ○ | | | | | | | | | | | | | | ⦿ | ⦿ |
| Pressure measuring | | | | | | | | | | | | | | | | | | | | ⦿ | ⦿ |

Pos. 210 Supply Pilot Pressure to Check valves 230 , 235 , 250

Pos. 215 Supply Pilot Pressure to Check valves 240 , 245
Supply Pressure to valve 210

Pos. 222 Discharge Accumulator Pressure - Hub Manual Mode

Pos. 226 In use when Pitch to Stop. If pressure drop over A and B port on Proportional valve is larger than 7 BAR - then flow over valve. (Equalize pressure over A and B port - to much difference would cause the proportional valve to fluctuate - this would make the Pitch Actuator fluctuate)

Pos. 230/235 Seal off Actuator in Parking Mode (Prop.Valve is leaking)
To open when Accumulator pressure is needed for Pitching

Pos. 240 Seal Accumulator pressure from A side

Pos. 245 Seal Actuator B-side pressure from tank

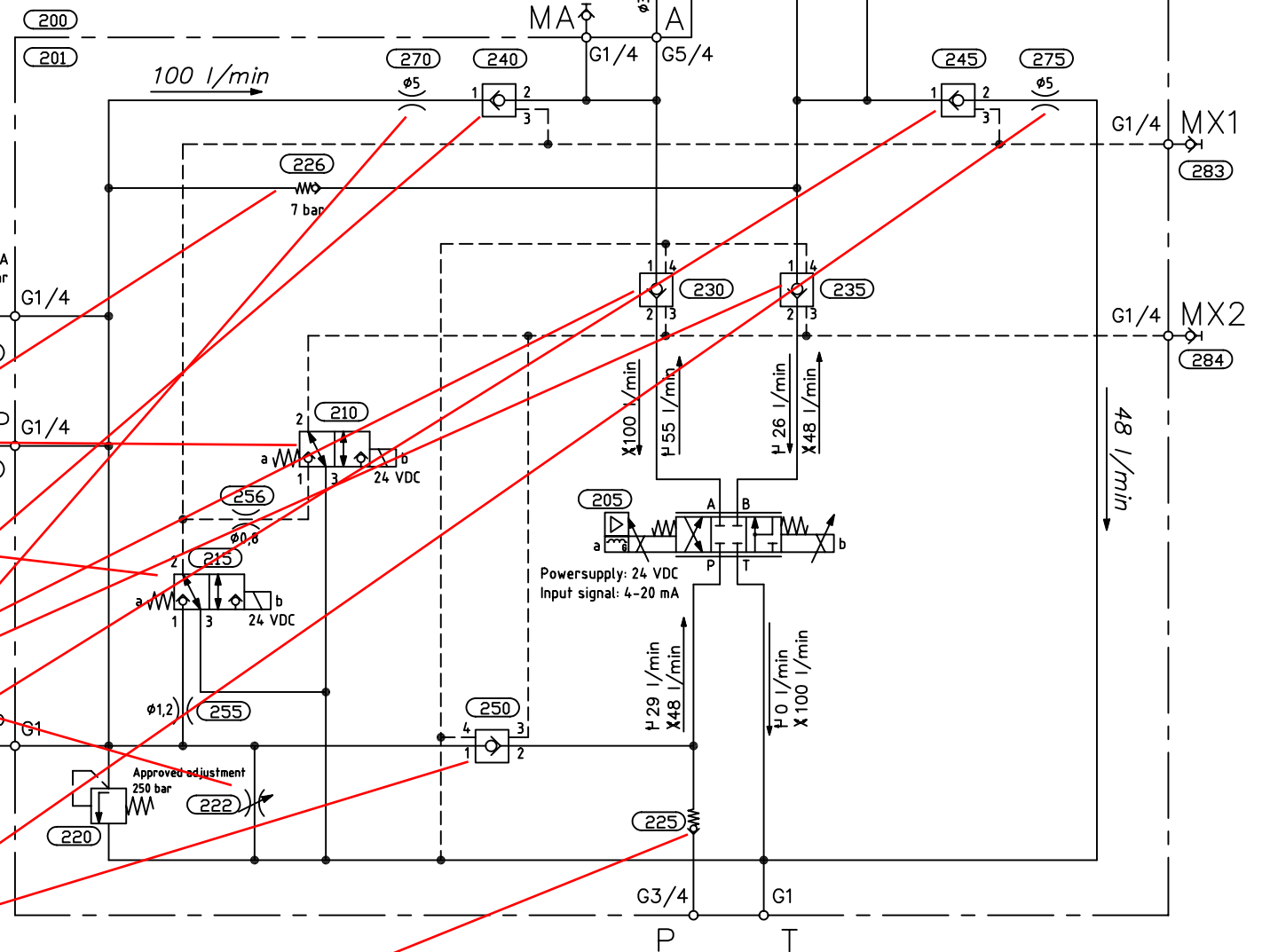
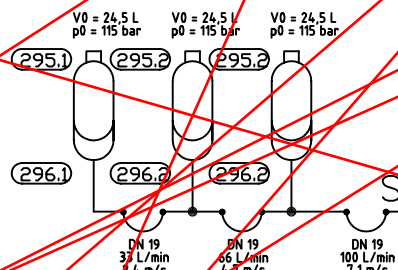
Pos. 250 Seal Accumulator pressure from Proportional valve (Leaking)

Pos. 270 Restrict Flow during shutdown - Speed control

Pos. 275 Restrict Flow during shutdown - Speed control

Pos. 290 Pressure transmitter Accumulator Pressure

Pos. 225 Separate Accumulator Pitch Pressure (230Bar) from
Main Pump Idling Pressure (40Bar)



| | | | | | |
|-------------------------------|--------------|------------|----|--------------------------------------|--|
| E | 1 | 25.06.2003 | CV | Pos. 255, 270, 275 changed | D5, B6, B8 |
| D | 1 | 31.03.2003 | CV | Pos. 222 added, G1/2-->G1/4 | E5, C5 |
| C | 1 | 11.03.2003 | CV | Pos. 255 --> Ø1 | C4 |
| B | 1 | 04.02.2003 | CV | Orifice added | D5 |
| Kunde/customer: NEG Micon A/S | | | | Rexroth | Dette hydraulikdiagram er blevet udarbejdet ud fra tekniske data gjort tilgængelige for os. Bosch Rexroth A/S påtager sig intet systemansvar alene på baggrund af dette diagram. |
| Kunde-nr./customer no.: | | | | | |
| Tilbuds.-nr./quotation no.: | | | | Bosch Group | This hydraulic circuit was created from technical data made available to ourselves. Bosch Rexroth A/S does not accept any system responsibility only on the basis of this circuit. |
| Ordre-nr./order no.: | | | | | |
| Afd./depart. | Document: HS | | | Pitchcontrol NM72C/1500 & NM82C/1650 | |
| Project | Dato/date | Navn/name | | | |
| Tegn./DWN | 13.12.2002 | CV | | Pitchcontrolblock | |
| Kontr./CHK | | | | Industrial Hydraulics | Bl./sheet: 1 |
| Bearb./WRK | | | | | af/of: 1 |
| Godk./APP | | | | | |
| Lign. tegn./sim. dwg.: | | | | Erst./replaces: | Ændringsnotat/change note: |