

## Accumulator safety block

### Type 0532VAW



- ▶ Nominal diameter DN20, DN32
- ▶ Component series A1
- ▶ Maximum operating pressure 330 bar [4800 psi]

#### Features

- ▶ Ready for connection
- ▶ Manual or electro-magnetic unloading
- ▶ Large number of variants
- ▶ Compact design
- ▶ Direct operated pressure relief valve according to data sheet 50153

#### Contents

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**Ordering code**

|                |    |    |    |    |    |    |    |    |    |
|----------------|----|----|----|----|----|----|----|----|----|
| 01             | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 |
| <b>0532VAW</b> | /  |    | /  |    | /  |    | /  |    | /  |

|    |                            |                |
|----|----------------------------|----------------|
| 01 | Accumulator shut-off block | <b>0532VAW</b> |
|----|----------------------------|----------------|

**Nominal diameter**

|    |      |           |
|----|------|-----------|
| 02 | DN20 | <b>20</b> |
|    | DN32 | <b>32</b> |

**Symbol** (see preferred types on pages 4 and 5)

|    |           |                        |
|----|-----------|------------------------|
| 03 | Symbol 1  | <b>1</b>               |
|    | Symbol 2  | <b>2</b>               |
|    | Symbol 3  | <b>3</b>               |
|    | Symbol 4  | <b>4</b>               |
|    | Symbol 5  | <b>5</b> <sup>1)</sup> |
|    | Symbol 6  | <b>6</b> <sup>1)</sup> |
|    | Symbol 7  | <b>7</b> <sup>1)</sup> |
|    | Symbol 8  | <b>8</b>               |
|    | Symbol 9  | <b>9</b> <sup>1)</sup> |
|    | Symbol 10 | <b>10</b>              |

**Seal material**

|    |  |            |
|----|--|------------|
| 04 | FKM seal   | <b>FKM</b> |
|    | Observe compatibility of seals with hydraulic fluid used! (Other seals upon request) |            |

**Pressure adjustment**

|    |                               |                 |
|----|-------------------------------|-----------------|
| 05 | 40 bar [585 psi]              | <b>40</b>       |
|    | 50 bar [730 psi]              | <b>50</b>       |
|    | 70 bar [1015 psi]             | <b>70</b>       |
|    | 100 bar [1450 psi]            | <b>100</b>      |
|    | 140 bar [2030 psi]            | <b>140</b>      |
|    | 160 bar [2320 psi]            | <b>160</b>      |
|    | 211 bar [3060 psi]            | <b>211</b>      |
|    | 250 bar [3625 psi]            | <b>250</b>      |
|    | 280 bar [4060 psi]            | <b>280</b>      |
|    | 330 bar [4800 psi]            | <b>330</b>      |
|    | Without pressure relief valve | — <sup>2)</sup> |

**Adjustment type at the pressure relief valve**

|    |                               |                 |
|----|-------------------------------|-----------------|
| 06 | With hand wheel               | <b>D</b>        |
|    | Spindle with protective cap   | <b>K</b>        |
|    | Without pressure relief valve | — <sup>2)</sup> |

Order example:

**0532VAW20/1/FKM/-/-/Z/00/-/-/A1**

**Notice:** Preferred types and standard units are contained in the EPS (standard price list).

## Ordering code

|                |    |    |    |    |    |    |    |    |    |
|----------------|----|----|----|----|----|----|----|----|----|
| 01             | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 |
| <b>0532VAW</b> | /  |    | /  |    | /  |    | /  |    | /  |

### Connection thread P

|    |        |                        |
|----|--------|------------------------|
| 07 | Inch   | <b>Z</b>               |
|    | Flange | <b>F</b> <sup>1)</sup> |

### Unloading

|    |   |                         |
|----|---|-------------------------|
| 08 | <b>Without</b> directional valve                                  | <b>00</b> <sup>3)</sup> |
|    | 2/2 directional valve, <b>manual</b> operation                    | <b>01</b> <sup>4)</sup> |
|    | 2/2 directional valve, <b>electrical</b> operation, normally open | <b>03</b> <sup>5)</sup> |

### Voltage type

|    |                                  |                             |
|----|----------------------------------|-----------------------------|
| 09 | Direct voltage 24 V / Frequency  | <b>G24/00</b> <sup>5)</sup> |
|    | <b>Without</b> directional valve | <b>-/-</b> <sup>6)</sup>    |

### Component series

|    |  |           |
|----|--|-----------|
| 10 | Component series A with standard version 1 | <b>A1</b> |
|    | Component series A with special version S  | <b>AS</b> |

<sup>1)</sup> Not possible with version "20"

<sup>2)</sup> Only for symbols 1, 2, 5, 8 and 9

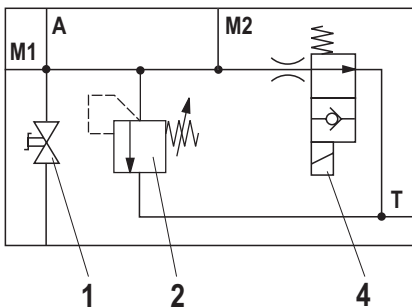
<sup>3)</sup> Only for symbols 1, 3 and 6

<sup>4)</sup> Only for symbols 8, 9 and 10

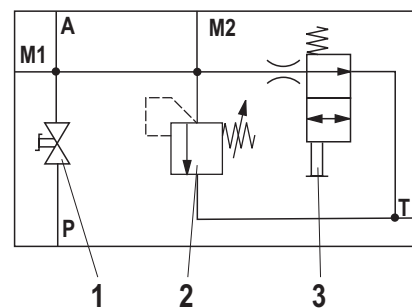
<sup>5)</sup> Only for symbols 2, 4, 5 and 7

<sup>6)</sup> Only for symbols 1, 3, 6, 8, 9 and 10

## Symbols

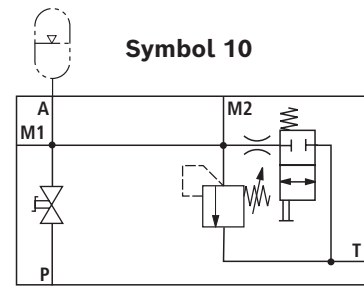
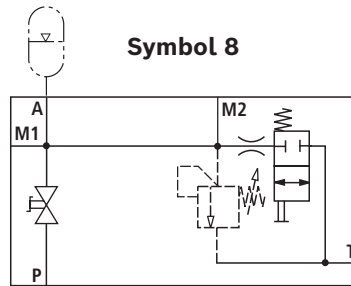
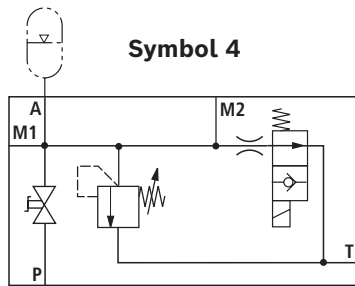
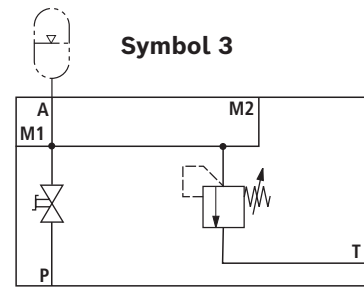
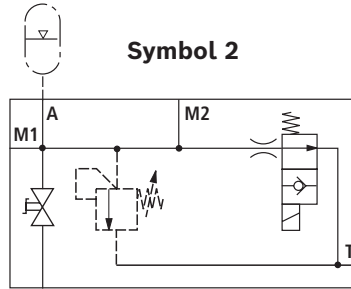
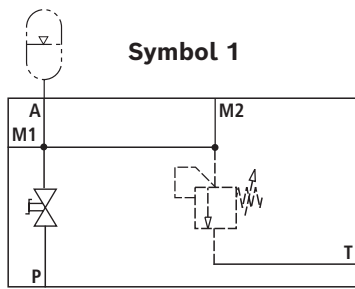


- 1** System shut-off cock
- 2** Pressure relief valve
- 3** Manual unloading
- 4** Electro-magnetic unloading



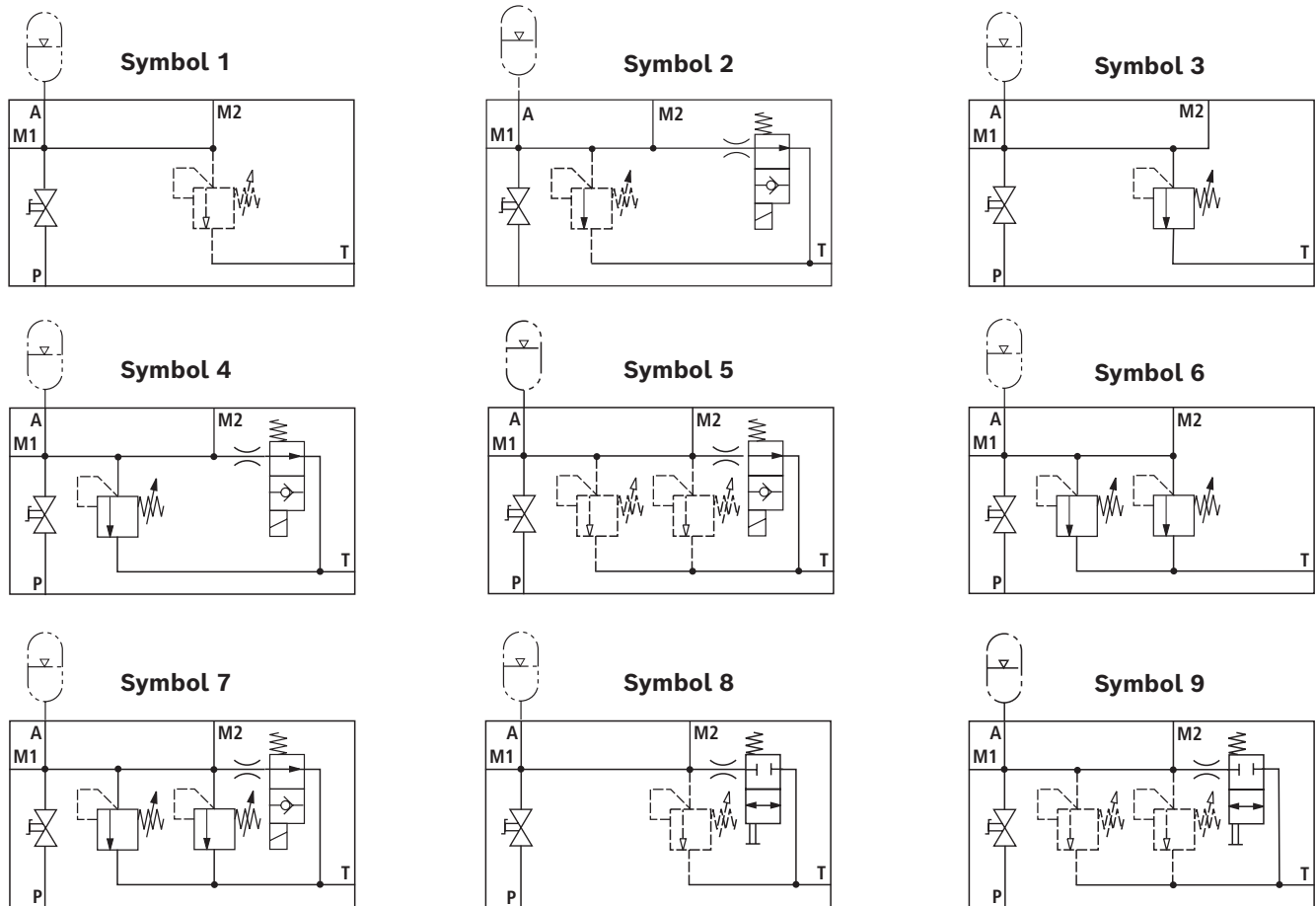
### Connection designation:

- M1, M2** Measuring port
- P** Pump port
- A** Accumulator port
- T** Tank port

**Preferred types DN20**

| Symbol | Pressure set at the pressure relief valve in bar [psi] | Maximum securable flow l/min [gpm] | Denomination                          | Material no. |
|--------|--|------------------------------------|---------------------------------------|--------------|
| 1      | –  | –                                  | 0532VAW20/1/FKM/-/-/Z/00/-/-/A1       | 0532015120   |
| 2      | –  | –                                  | 0532VAW20/2/FKM/-/-/Z/03/G/24/00/A1   | 0532015121   |
| 3      | 50 [730]   | 40 [10.56]                         | 0532VAW20/3/FKM/050/D/Z/00/-/-/A1     | R901192665   |
| 3      | 70 [1015]  | 50 [13.20]                         | 0532VAW20/3/FKM/070/D/Z/00/-/-/A1     | 0532015123   |
| 3      | 100 [1450]   | 100 [26.40]                        | 0532VAW20/3/FKM/100/D/Z/00/-/-/A1     | 0532015125   |
| 3      | 140 [2030]   | 100 [26.40]                        | 0532VAW20/3/FKM/140/D/Z/00/-/-/A1     | 0532015127   |
| 3      | 160 [2320]   | 100 [26.40]                        | 0532VAW20/3/FKM/160/D/Z/00/-/-/A1     | 0532015129   |
| 3      | 211 [3060]   | 100 [26.40]                        | 0532VAW20/3/FKM/211/D/Z/00/-/-/A1     | 0532015131   |
| 3      | 250 [3625]   | 130 [34.32]                        | 0532VAW20/3/FKM/250/D/Z/00/-/-/A1     | 0532015133   |
| 3      | 280 [4060]   | 130 [34.32]                        | 0532VAW20/3/FKM/280/D/Z/00/-/-/A1     | 0532015137   |
| 3      | 330 [4800]   | 150 [39.60]                        | 0532VAW20/3/FKM/330/D/Z/00/-/-/A1     | 0532015135   |
| 4      | 70 [1015]  | 50 [13.20]                         | 0532VAW20/4/FKM/070/D/Z/03/G/24/00/A1 | 0532015122   |
| 4      | 100 [1450]   | 100 [26.40]                        | 0532VAW20/4/FKM/100/D/Z/03/G/24/00/A1 | 0532015124   |
| 4      | 160 [2320]   | 100 [26.40]                        | 0532VAW20/4/FKM/160/D/Z/03/G/24/00/A1 | 0532015126   |
| 4      | 211 [3060]   | 100 [26.40]                        | 0532VAW20/4/FKM/211/D/Z/03/G/24/00/A1 | 0532015128   |
| 4      | 250 [3625]   | 130 [34.32]                        | 0532VAW20/4/FKM/250/D/Z/03/G/24/00/A1 | 0532015130   |
| 4      | 280 [4060]   | 130 [34.32]                        | 0532VAW20/4/FKM/280/D/Z/03/G/24/00/A1 | 0532015134   |
| 4      | 330 [4800]   | 150 [39.60]                        | 0532VAW20/4/FKM/330/D/Z/03/G/24/00/A1 | 0532015132   |
| 8      | –  | –                                  | 0532VAW20/8/FKM/-/-/Z/01/-/-/A1       | 0532015139   |
| 10     | 211 [3060]   | 100 [26.40]                        | 0532VAW20/10/FKM/211/K/Z/01/-/-/A1    | R901131132   |
| 10     | 330 [4800]   | 150 [39.60]                        | 0532VAW20/10/FKM/330/K/Z/01/-/-/A1    | R901174602   |

## Preferred types DN32



| Symbol | Pressure set at the pressure relief valve<br>in bar [psi] | Maximum securable flow<br>l/min [gpm] | Denomination                           | Material no. |
|--------|---|---------------------------------------|--|--------------|
| 1      | –   | –                                     | 0532VAW32/1/FKM/-/-/Z/00/-/-/A1        | 0532016051   |
| 2      | –   | –                                     | 0532VAW32/2/FKM/-/-/Z/03/G/24/00/A1    | 0532016050   |
| 3      | 211 [3060]  | 100 [26.40]                           | 0532VAW32/3/FKM/211/D/Z/00/-/-/A1      | 0532016053   |
| 3      | 330 [4800]  | 150 [39.60]                           | 0532VAW32/3/FKM/330/D/Z/00/-/-/A1      | 0532016055   |
| 4      | 160 [2320]  | 100 [26.40]                           | 0532VAW32/4/FKM/160/D/Z/03/G/24/00/A1  | 0532016054   |
| 4      | 211 [3060]  | 100 [26.40]                           | 0532VAW32/4/FKM/211/D/Z/03/G/24/00/A1  | 0532016056   |
| 4      | 330 [4800]  | 150 [39.60]                           | 0532VAW32/4/FKM/330/D/F/03/G/24/00/A1  | 0532016060   |
| 4      | 330 [4800]  | 150 [39.60]                           | 0532VAW32/4/FKM/330/D/Z/03/G/24/00/A1  | 0532016058   |
| 5      | –   | –                                     | 0532VAW32/5/FKM/-/-/Z/03/G/24/00/A1    | 0532016052   |
| 7      | 211 [3060]  | 200 [52.80]                           | 0532VAW32/7/FKM/211/DK/F/03/G/24/00/A1 | 0532016070   |
| 7      | 250 [3625]  | 260 [68.63]                           | 0532VAW32/7/FKM/250/DK/F/03/G/24/00/A1 | 0532016072   |
| 7      | 330 [4800]  | 300 [79.20]                           | 0532VAW32/7/FKM/330/DK/F/03/G/24/00/A1 | R901166828   |
| 8      | –   | –                                     | 0532VAW32/8/FKM/-/-/Z/01/-/-/A1        | 0532016061   |
| 9      | –   | –                                     | 0532VAW32/9/FKM/-/-/F/01/-/-/A1        | R901115110   |
| 9      | –   | –                                     | 0532VAW32/9/FKM/-/-/Z/01/-/-/A1        | 0532016063   |

## Function

The accumulator shut-off block serves for protection, isolation and unloading of hydraulic accumulators. It is classified according to its use according to Pressure Equipment Directive 2014/68/EU article 4, section 3.

The connection between the accumulator shut-off block and the accumulator is realized by means of an accumulator adapter. An optional additional 2-way valve with electrical operation (normally open) enables automatic unloading of the accumulator in case of shutdown or "emergency off function".

The accumulator is protected from inadmissible overpressure by means of the pressure relief valve.

The **pressure relief valve** must **not be applied for any control tasks!**

Sufficient difference between the pressure set at the pressure relief valve and the operating pressure must be ensured. Response of the pressure relief valve should be prevented.

## Technical data

(For applications outside these parameters, please consult us.)

| general  |                          |                              |
|--|--------------------------|------------------------------|
| Weight   |                          | See table below              |
| Installation position  |                          | Any                          |
| Ambient temperature range  | °C [°F]                  | –10 ... +80 [+14... +176]    |
| hydraulic  |                          |                              |
| Maximum operating pressure   | bar [psi]                | 330 [4800]                   |
| Maximum securable flow   | l/min [US gpm]           | See pages 4 and 5            |
| $\Delta p$ - $q_v$ characteristic curve  |                          | See page 8 and 9             |
| Hydraulic fluid  |                          | See table below              |
| Hydraulic fluid temperature range  | °C [°F]                  | –15 ... +80 [+14... +176]    |
| Seal material  |                          | FKM seals                    |
| Viscosity range  | mm <sup>2</sup> /s [SUS] | 12 ... 380 [56 ... 1761]     |
| Maximum admissible degree of contamination of the hydraulic fluid<br>Cleanliness class according to ISO 4406 (c) |                          | Class 20/18/15 <sup>1)</sup> |

| Hydraulic fluid                   | Classification | Suitable sealing materials | Standards | Data sheet |
|-----------------------------------|----------------|----------------------------|-----------|------------|
| Mineral oils                      | HL, HLP        | FKM                        | DIN 51524 | 90220      |
| Other hydraulic fluids on request |                |                            |           |            |

<sup>1)</sup> The cleanliness classes specified for the components must be adhered to in hydraulic systems. Effective filtration prevents faults and simultaneously increases the life cycle of the components.

For the selection of the filters, see [www.boschrexroth.com/filter](http://www.boschrexroth.com/filter).

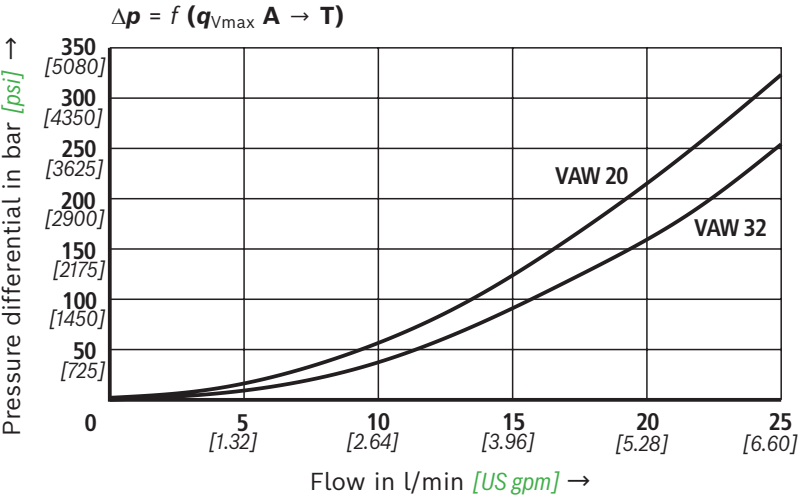
## Weight

| Symbol | Nominal diameter |                  |
|--------|------------------|------------------|
|        | DN20<br>kg [lbs] | DN32<br>kg [lbs] |
| 1      | 4.4 [9.7]        | 13.8 [30.3]      |
| 2      | 4.7 [10.3]       | 14.3 [31.4]      |
| 3      | 4.8 [10.5]       | 15.2 [33.4]      |
| 4      | 5.6 [12.3]       | 14.7 [32.3]      |
| 5      | –                | 14.2 [31.2]      |
| 7      | –                | 14.4 [31.6]      |
| 8      | 4.6 [10.1]       | 14.4 [31.6]      |
| 9      | –                | 14.3 [31.4]      |
| 10     | 4.5 [9.9]        | –                |

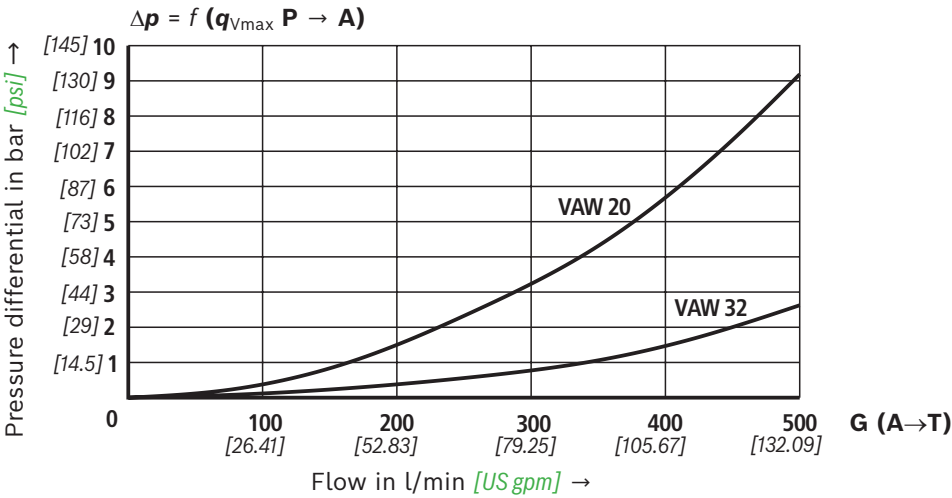
| electrical                                    |                       |  |
|---|-----------------------|--|
| Voltage type                                  |                       | Direct voltage                                   |
| Available voltages                            | V                     | 24   |
| Protection class according to<br>DIN EN 60529 | ► With connector "K4" | IP 65 (with mating connector mounted and locked) |

**Characteristic curves**  
(measured at  $v = 35 \text{ mm}^2/\text{s}$ ,  $\vartheta_{\text{oil}} = 50 \text{ }^\circ\text{C}$  [122 °F])

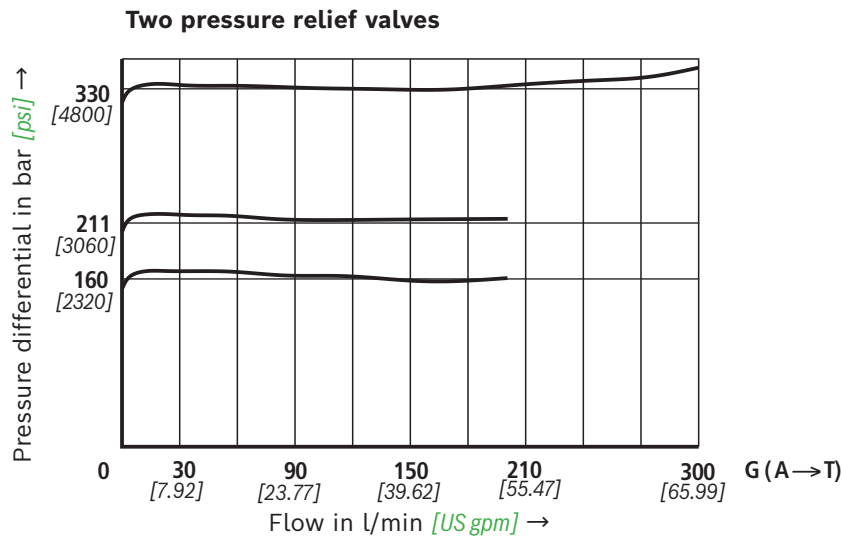
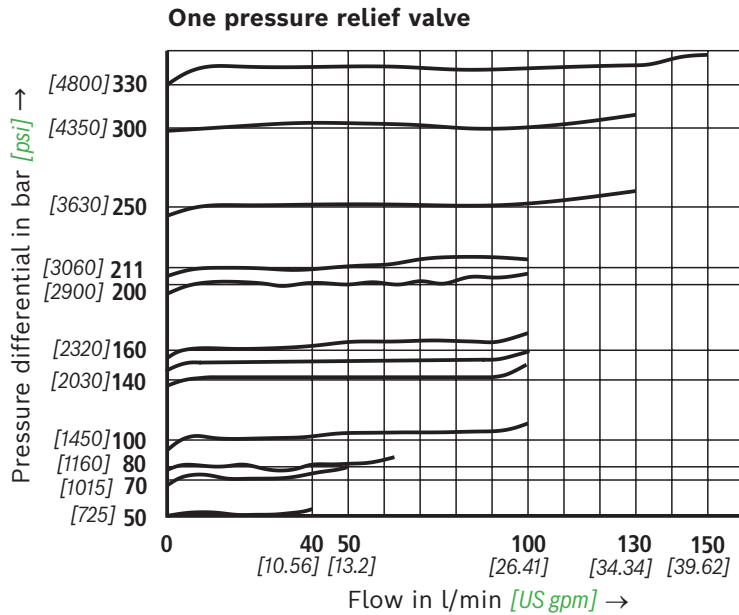
**Flow accumulator via unloading valve to the tank**



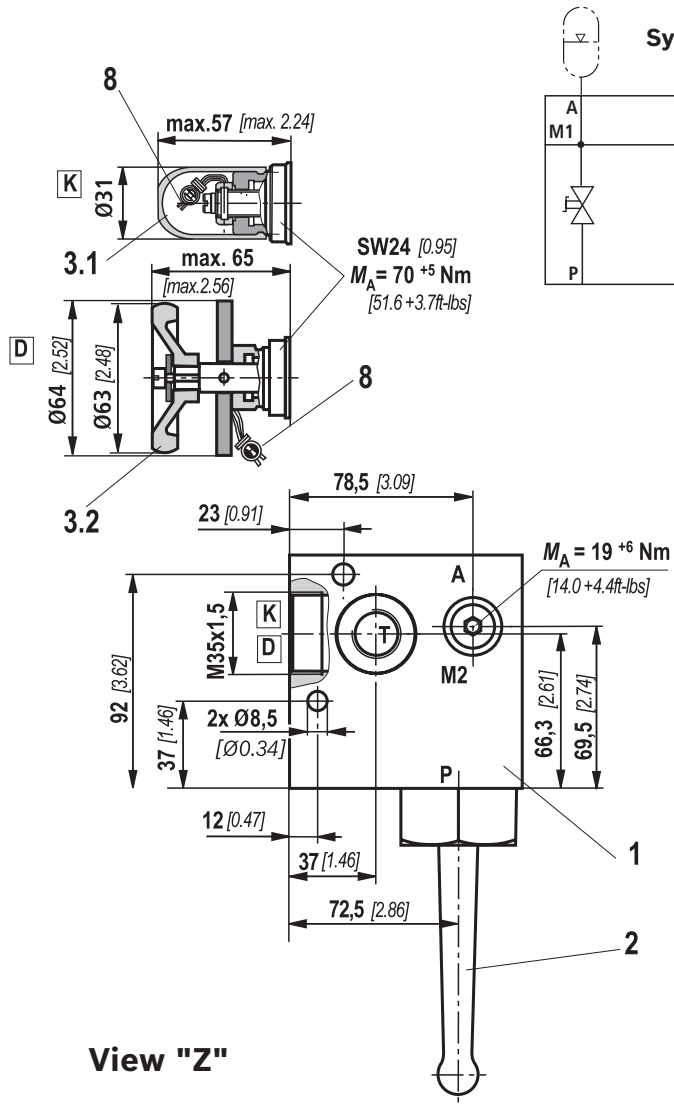
**Flow from pump to accumulator**



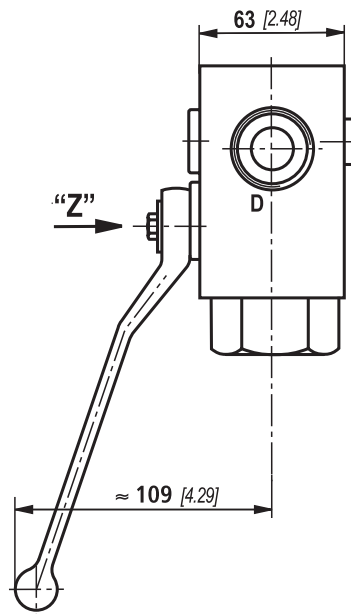
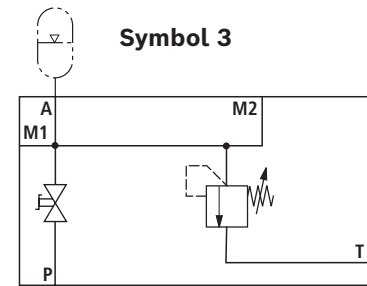
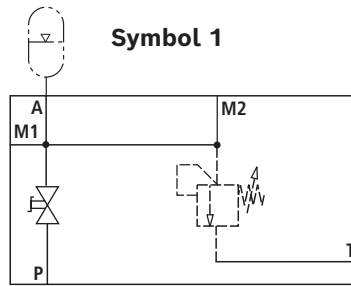
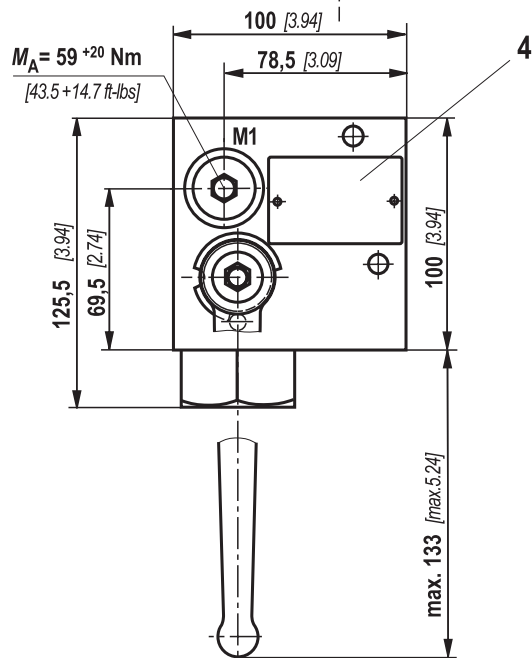


**Characteristic curves**(measured at  $v = 35 \text{ mm}^2/\text{s}$ ,  $\vartheta_{\text{oil}} = 50 \text{ }^\circ\text{C}$  [122 °F])**Maximum securable flow of the pressure relief valve**

**Dimensions:** Version "20", symbol 1 and 3  
(dimensions in mm [*inch*])



## View "Z"

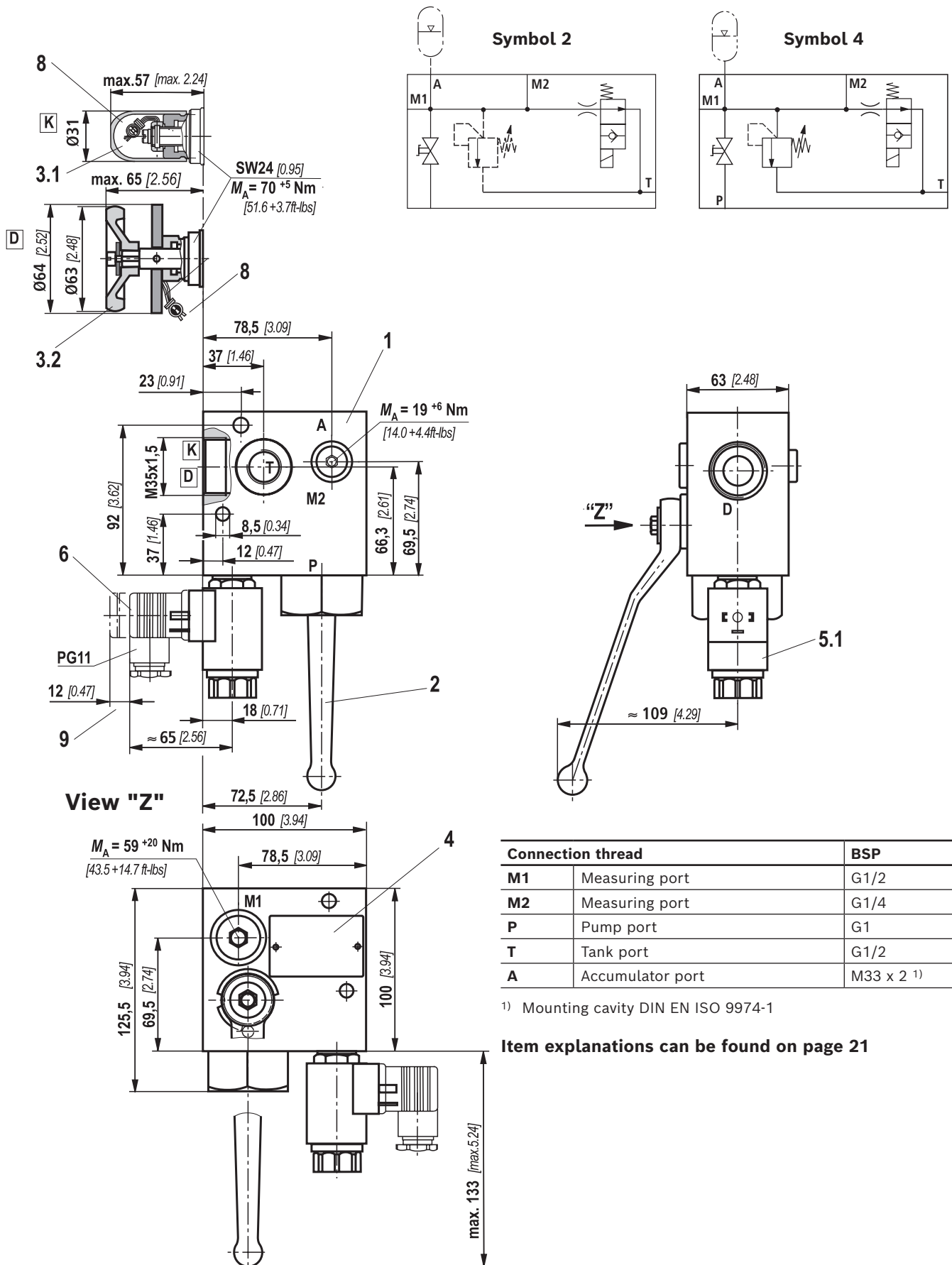


| Connection thread |                  | BSP                   |
|-------------------|------------------|-----------------------|
| <b>M1</b>         | Measuring port   | G1/2                  |
| <b>M2</b>         | Measuring port   | G1/4                  |
| <b>P</b>          | Pump port        | G1                    |
| <b>T</b>          | Tank port        | G1/2                  |
| <b>A</b>          | Accumulator port | M33 x 2 <sup>1)</sup> |

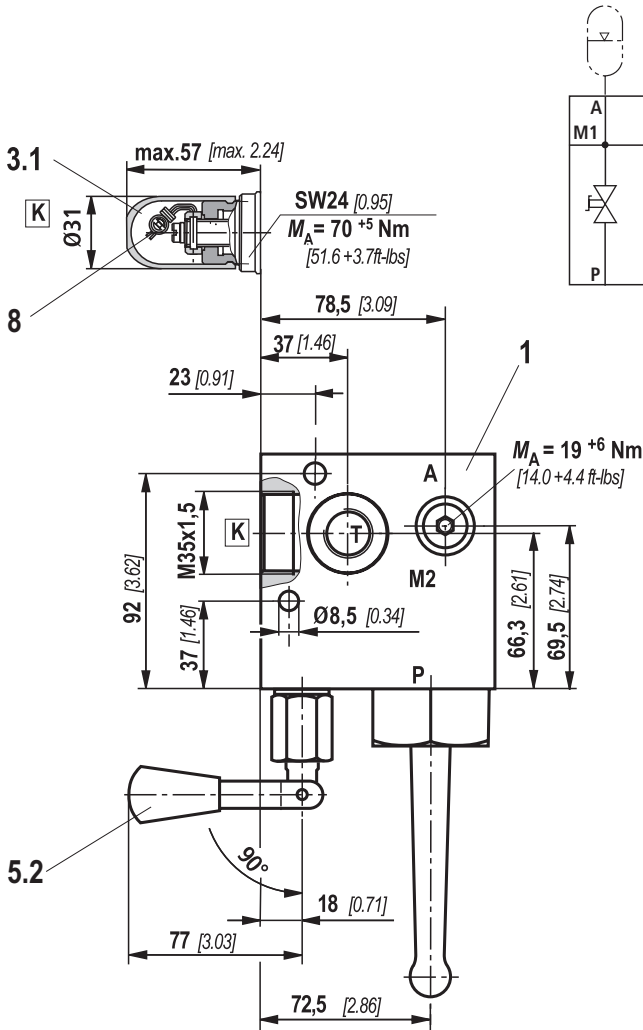
1) Mounting cavity DIN EN ISO 9974-1

**Item explanations can be found on page 21**

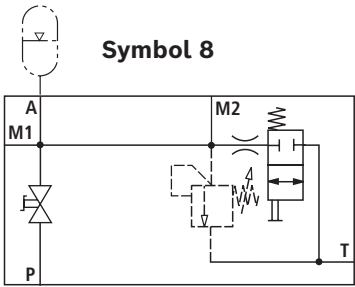
**Dimensions:** Version "20", symbol 2 and 4  
(dimensions in mm [inch])



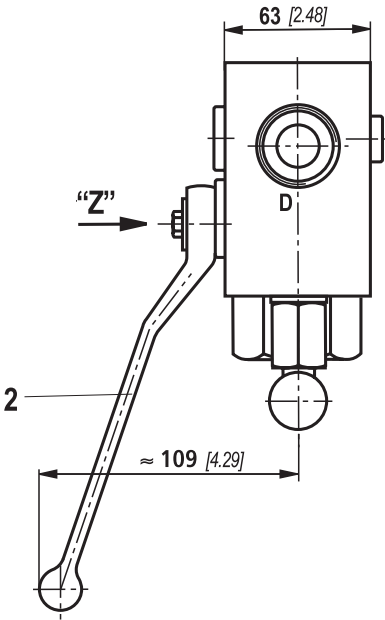
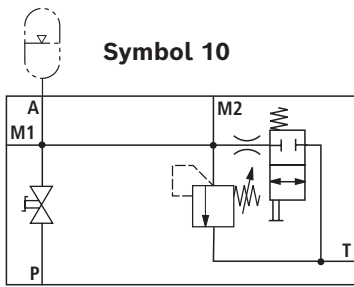
**Dimensions:** 0532VAW20...DN20, symbol 8 and 10  
(dimensions in mm [inch])



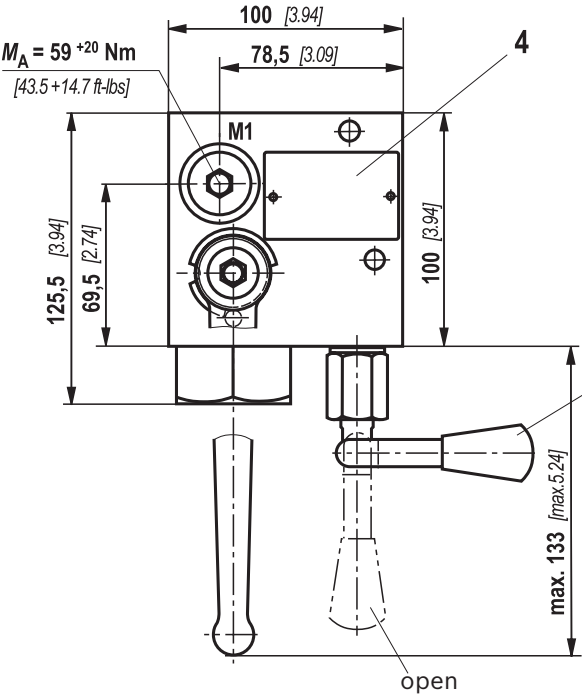
Symbol 8



Symbol 10



View "Z"

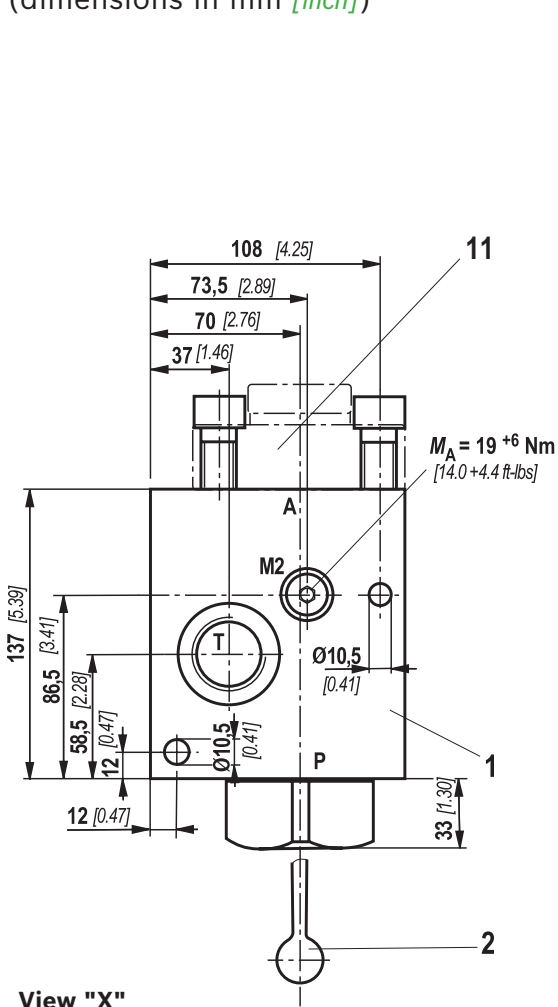


| Connection thread |                  | BSP                   |
|-------------------|------------------|-----------------------|
| M1                | Measuring port   | G1/2                  |
| M2                | Measuring port   | G1/4                  |
| P                 | Pump port        | G1                    |
| T                 | Tank port        | G1/2                  |
| A                 | Accumulator port | M33 x 2 <sup>1)</sup> |

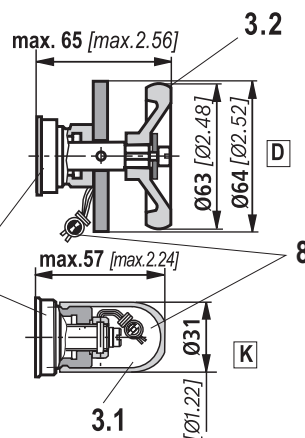
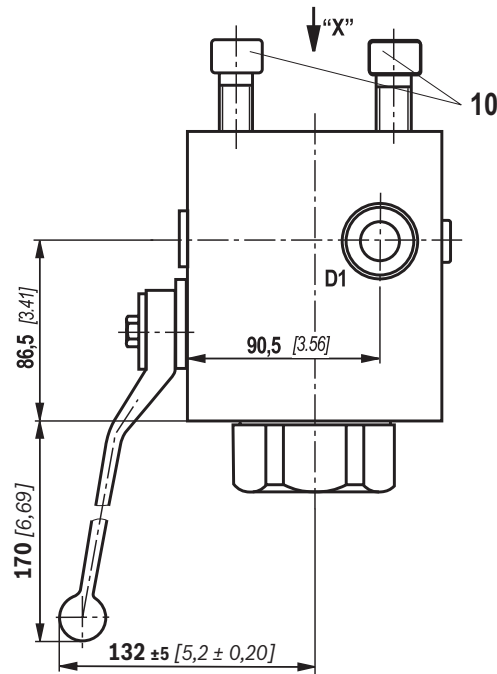
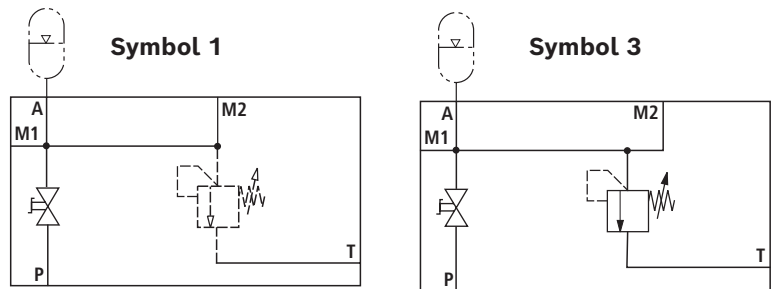
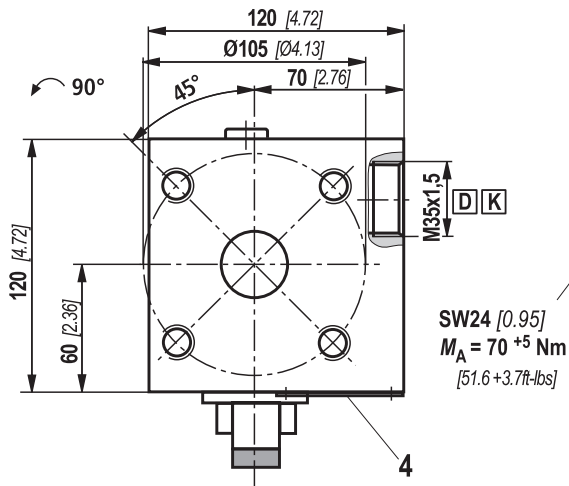
<sup>1)</sup> Mounting cavity DIN EN ISO 9974-1

Item explanations can be found on page 21

**Dimensions:** Version "32", symbol 1 and 3  
(dimensions in mm [inch])



View "X"

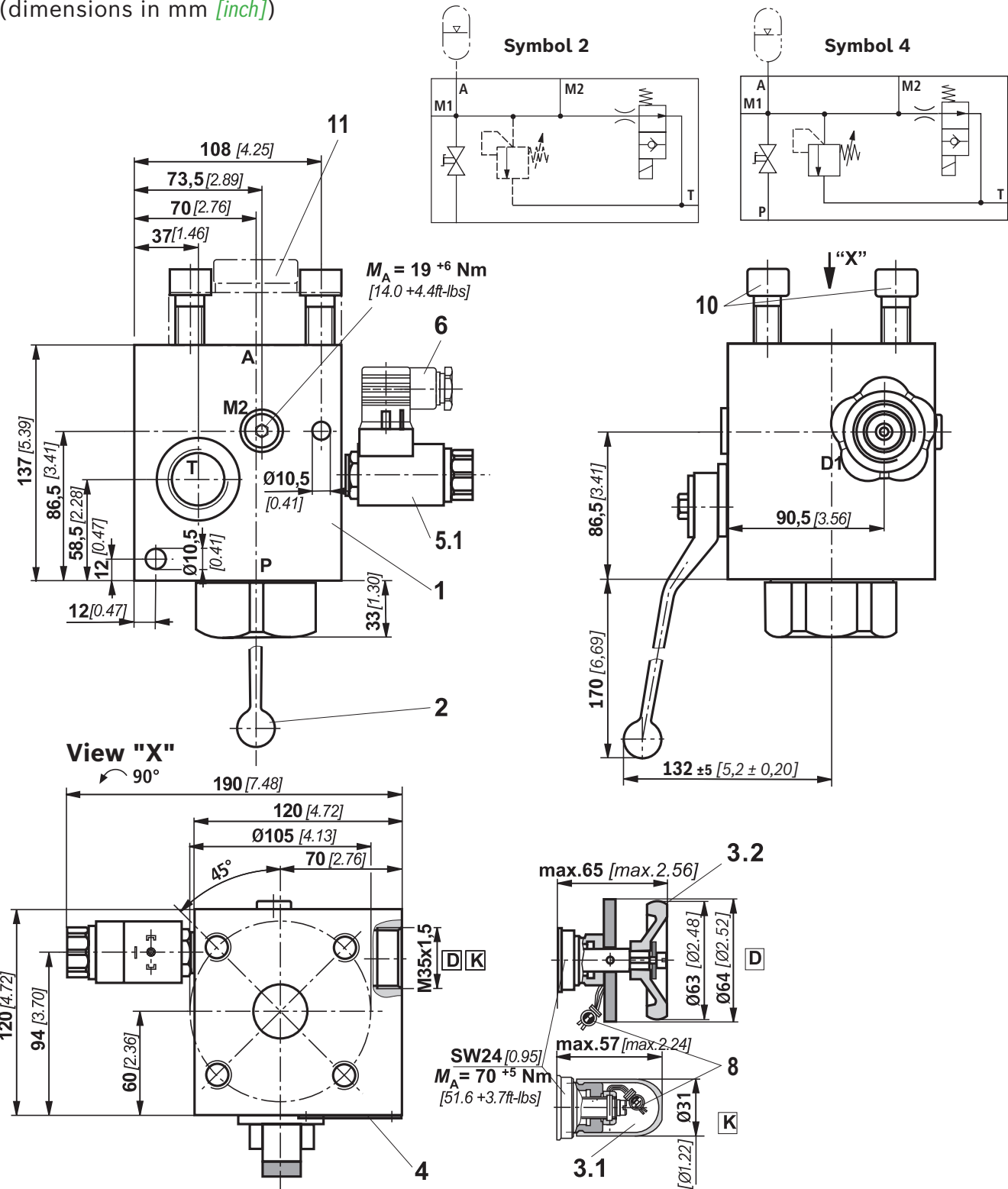


| Connection thread |                  | BSP     |
|-------------------|------------------|---------|
| M1                | Measuring port   | G1/2    |
| M2                | Measuring port   | G1/4    |
| P                 | Pump port        | G1 1/2  |
| T                 | Tank port        | G1      |
| A                 | Accumulator port | Page 21 |

**Accumulator adapter** separate order, see page 21

Item explanations can be found on page 21

**Dimensions:** Version "32", symbol 2 and 4  
(dimensions in mm *[inch]*)

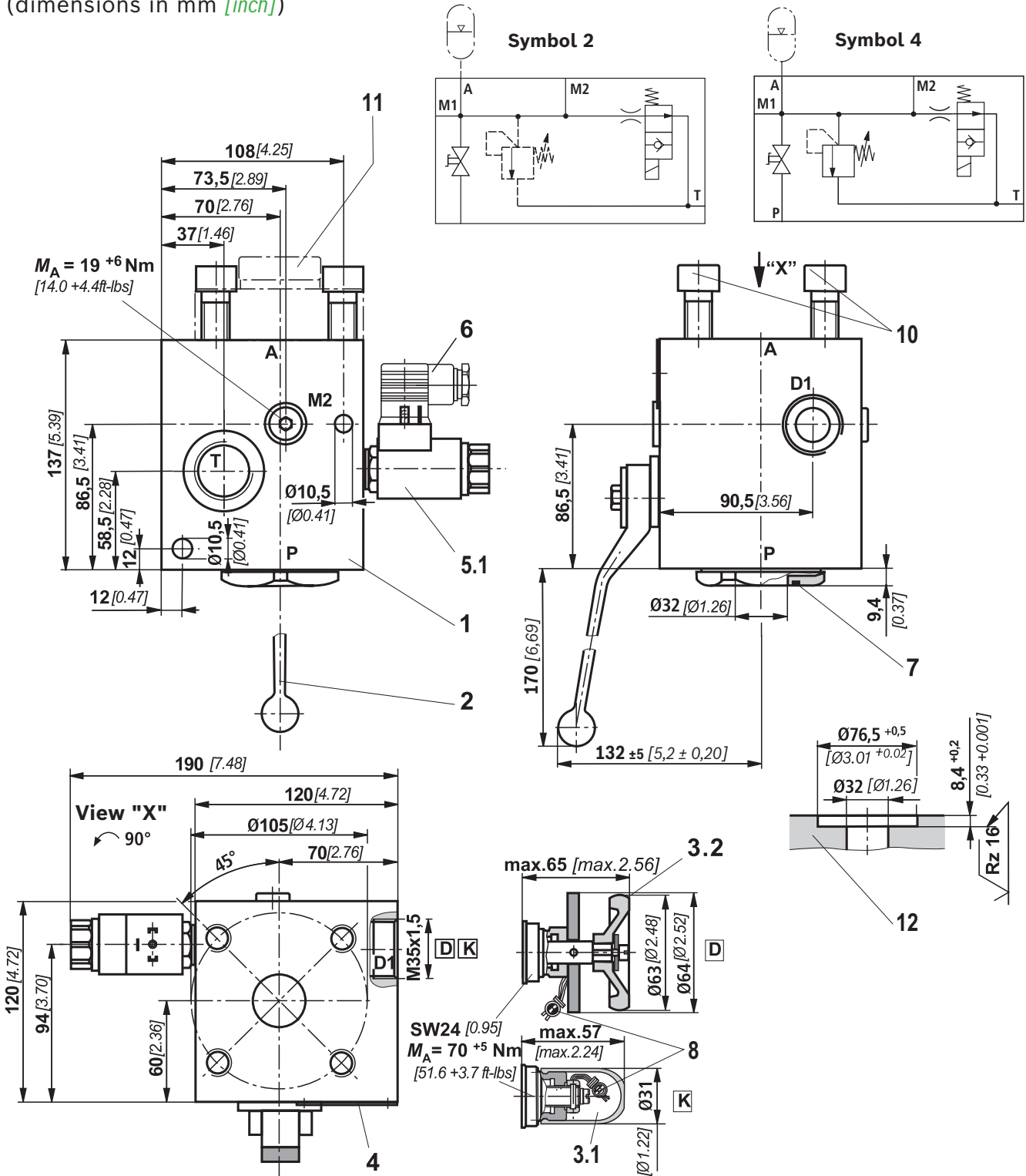


**Accumulator adapter** separate order, see page 21

| Connection thread |                  | BSP     |
|-------------------|------------------|---------|
| M1                | Measuring port   | G1/2    |
| M2                | Measuring port   | G1/4    |
| P                 | Pump port        | G1 1/2  |
| T                 | Tank port        | G1      |
| A                 | Accumulator port | Page 21 |

Item explanations can be found on page 21

**Dimensions:** Version "32", switching symbol 2 and 4 (dimensions in mm *[inch]*)

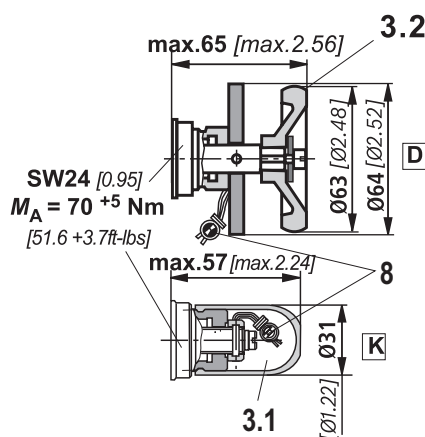
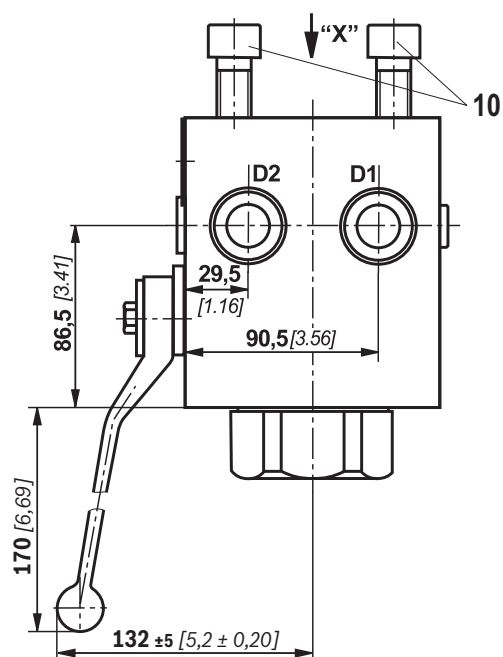
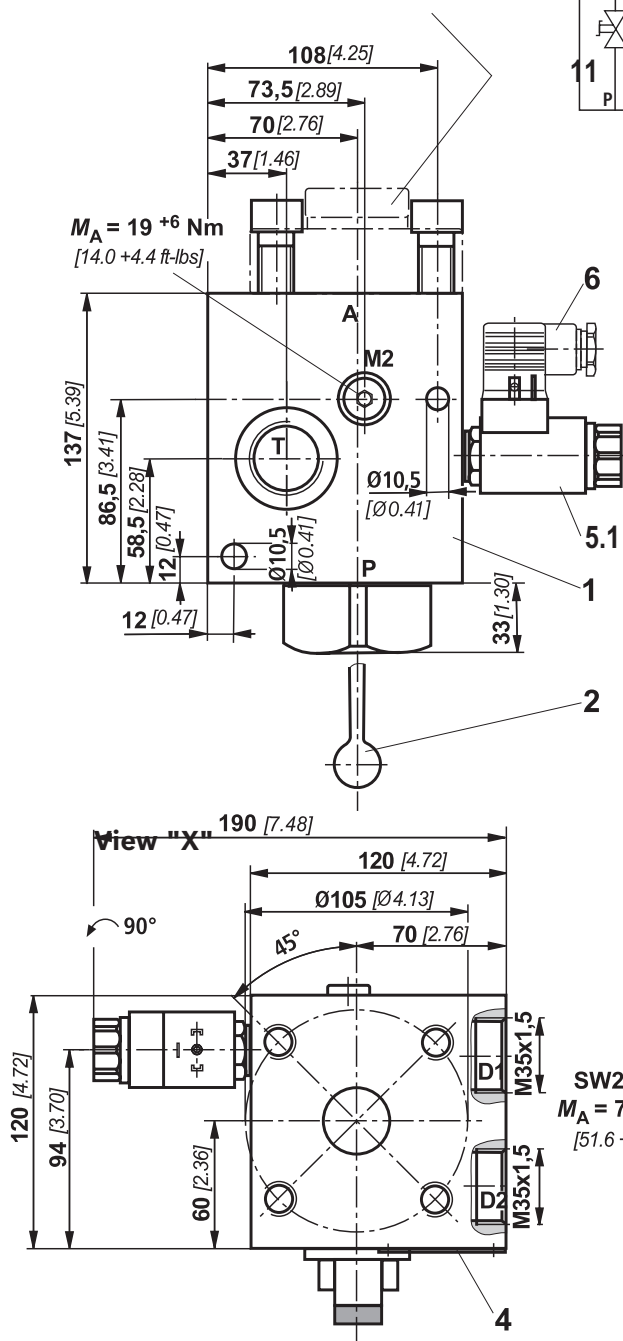
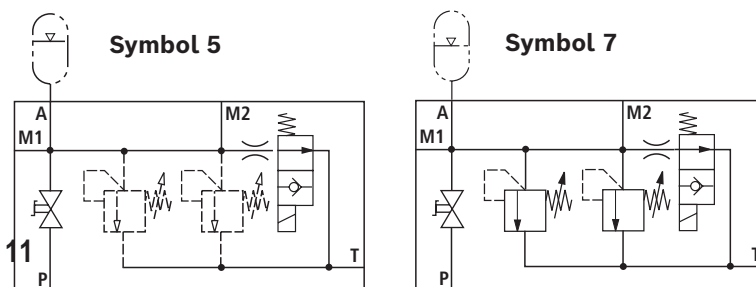


| Connection thread |                    | BSP                  |
|-------------------|--------------------|----------------------|
| <b>M1</b>         | Measuring port     | G1/2                 |
| <b>M2</b>         | Measuring port     | G1/4                 |
| <b>P</b>          | Pump port (flange) | TK = Ø98;<br>4 x M16 |
| <b>T</b>          | Tank port          | G1                   |
| <b>A</b>          | Accumulator port   | Page 21              |

**Accumulator adapter** separate order, see page 21

Item explanations can be found on page 21

**Dimensions:** Version "32", symbol 5 and 7  
(dimensions in mm *[inch]*)



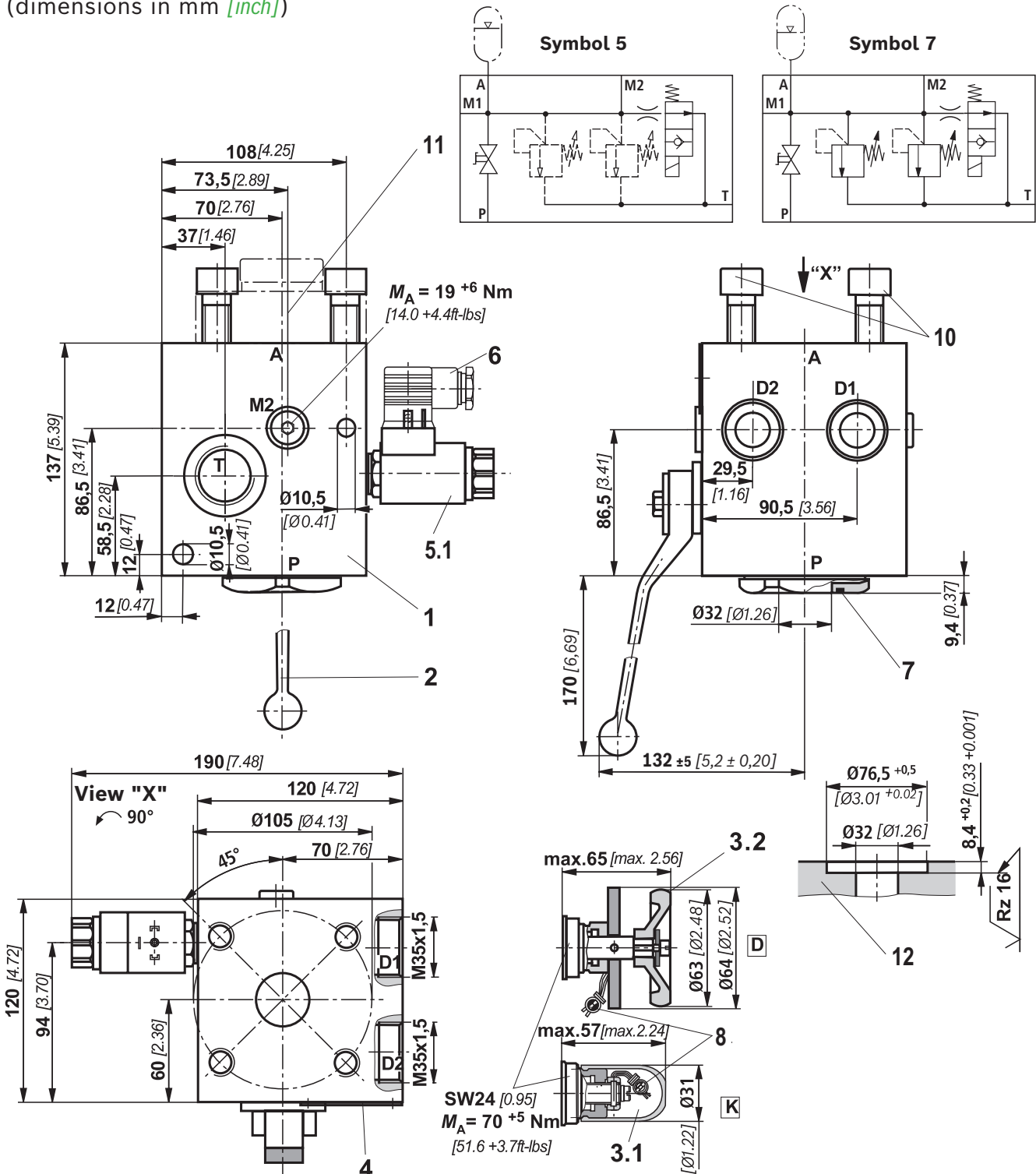
| Connection thread |                  | BSP     |
|-------------------|------------------|---------|
| <b>M1</b>         | Measuring port   | G1/2    |
| <b>M2</b>         | Measuring port   | G1/4    |
| <b>P</b>          | Pump port        | G1 1/2  |
| <b>T</b>          | Tank port        | G1      |
| <b>A</b>          | Accumulator port | Page 21 |

**Accumulator adapter** separate order, see page 21

**Item explanations can be found on page 21**



**Dimensions:** Version "32", symbol 5 and 7  
(dimensions in mm [inch])

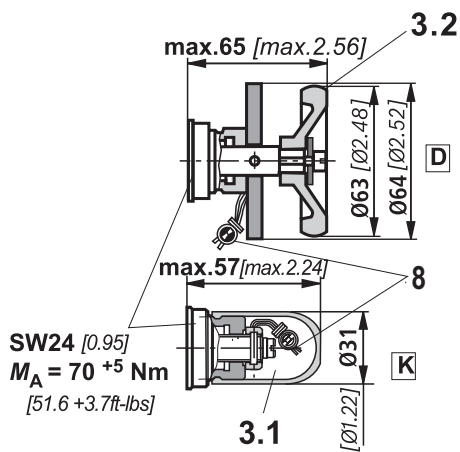
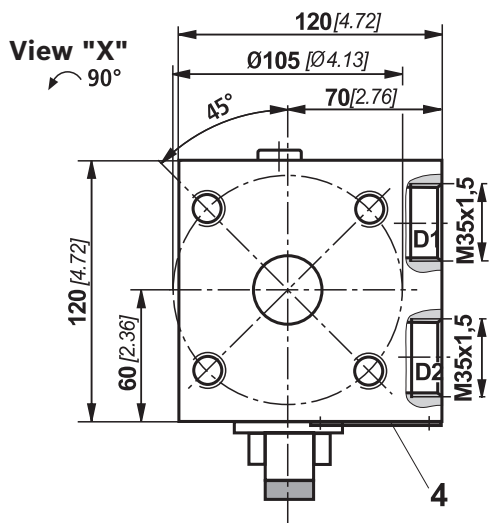
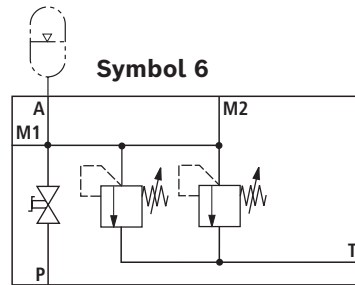
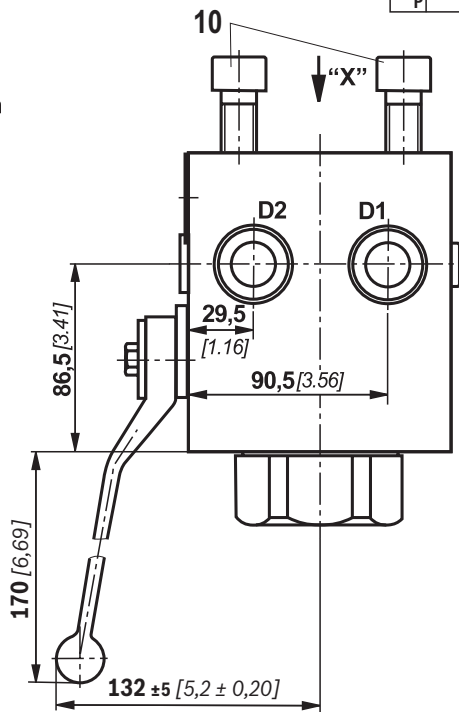
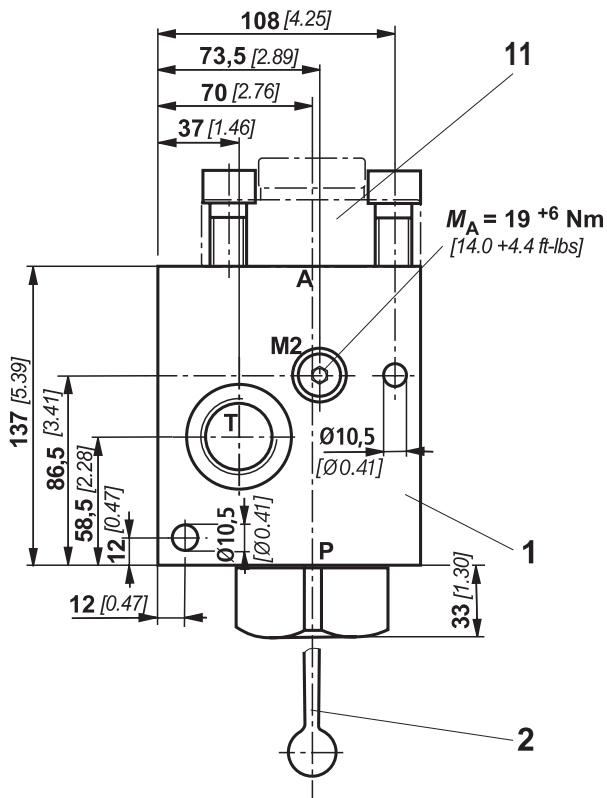


**Accumulator adapter** separate order, see page 21

| Connection thread |                    | BSP                  |
|-------------------|--------------------|----------------------|
| M1                | Measuring port     | G1/2                 |
| M2                | Measuring port     | G1/4                 |
| P                 | Pump port (flange) | TK = Ø98;<br>4 x M16 |
| T                 | Tank port          | G1                   |
| A                 | Accumulator port   | Page 21              |

Item explanations can be found on page 21

**Dimensions:** Version "32", symbol 6  
(dimensions in mm [*inch*])



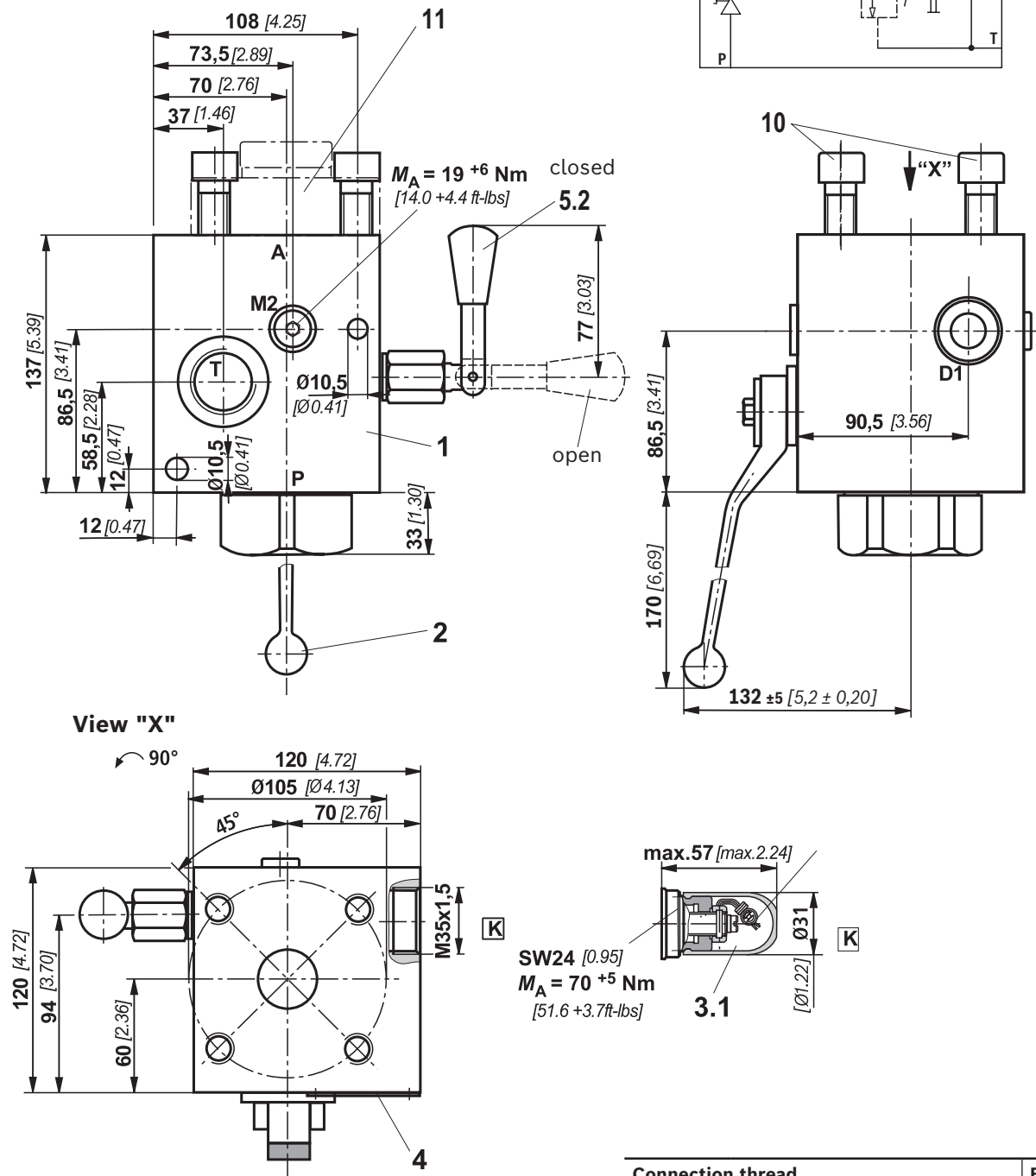
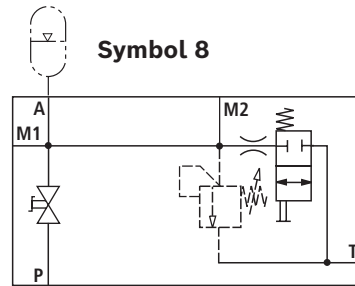
| Connection thread |                  | BSP     |
|-------------------|------------------|---------|
| <b>M1</b>         | Measuring port   | G1/2    |
| <b>M2</b>         | Measuring port   | G1/4    |
| <b>P</b>          | Pump port        | G1 1/2  |
| <b>T</b>          | Tank port        | G1      |
| <b>A</b>          | Accumulator port | Page 21 |

**Accumulator adapter** separate order, see page 21

**Item explanations can be found on page 21**

19/23

**Dimensions:** Version "32", symbol 8  
(dimensions in mm *[inch]*)

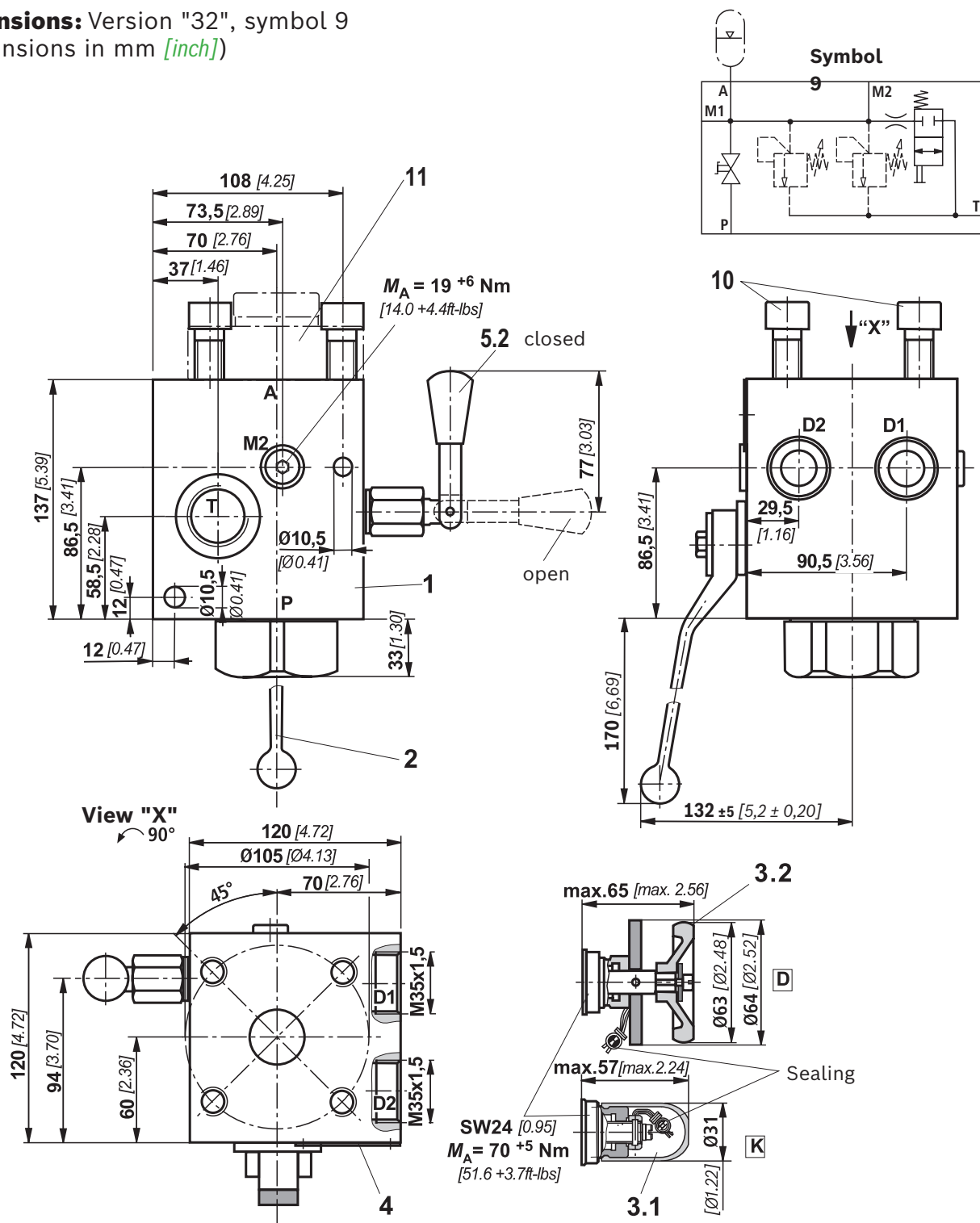


| Connection thread |                  | BSP     |
|-------------------|------------------|---------|
| <b>M1</b>         | Measuring port   | G1/2    |
| <b>M2</b>         | Measuring port   | G1/4    |
| <b>P</b>          | Pump port        | G1 1/2  |
| <b>T</b>          | Tank port        | G1      |
| <b>A</b>          | Accumulator port | Page 21 |

**Accumulator adapter** separate order, see page 21

Item explanations can be found on page  
21

**Dimensions:** Version "32", symbol 9  
(dimensions in mm *[inch]*)



**Accumulator adapter** separate order, see page 21

| Connection thread |                  | BSP     |
|-------------------|------------------|---------|
| <b>M1</b>         | Measuring port   | G1/2    |
| <b>M2</b>         | Measuring port   | G1/4    |
| <b>P</b>          | Pump port        | G1 1/2  |
| <b>T</b>          | Tank port        | G1      |
| <b>A</b>          | Accumulator port | Page 21 |

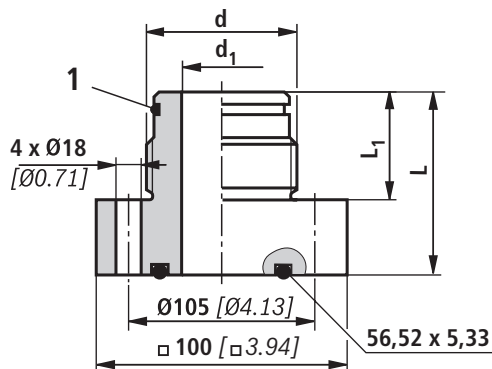
**Item explanations can be found on page 21**

**Dimensions:** Item explanations

- 1** Block
- 2** System shut-off cock
- 3.1** Pressure relief valve, adjustment type "K" with spindle and protective cap; sealed
- 3.2** Pressure relief valve, adjustment type "D" with hand wheel and manual unloading; sealed
- 4** Name plate
- 5.1** Electro-magnetic unloading
- 5.2** Manual unloading, closed
- 6** Mating connector included in the scope of delivery
- 7** Seal ring Ø40 x 3
- 8** Sealing
- 9** Space required to remove the connector
- 10** Hexagon socket head cap screw **4 x ISO 4762- M16 x 45-10**  
Tightening torque  $M_A = 250 \pm 10 \text{ Nm}$   
*[184.0 + 7.4 ft-lbs]*
- 11** Accumulator adapter, separate order, see page 21
- 12** Counterflange for port P (separate order)

**Accessories:** Accumulator adapter BSP thread  
(dimensions in mm *[inch]*)**Accumulator adapter for version "32", maximum operating pressure 330 bar** *[4800 psi]*

Type: S307V/G1 1/4-DN32 and  
S309V/G2-DN32


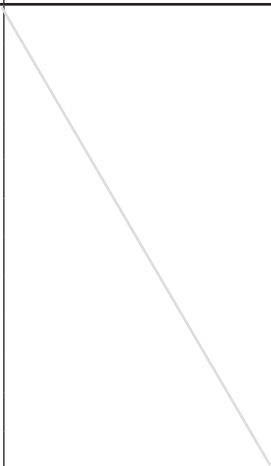
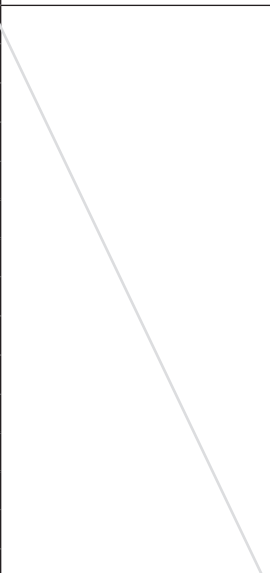



4 x hexagon socket head cap screw,  
**ISO 4762 - M16 x 45 - 10.9**  
included in the scope of delivery

**1** Seal ring, see table

| Short designation | Accumulator adapter | Material no.      | d      | d1 | L  | L1 | Seal ring     |
|-------------------|---------------------|-------------------|--------|----|----|----|---------------|
| S307              | S307V/G1 1/4-DN32   | <b>R900085303</b> | G1 1/4 | 20 | 67 | 37 | Ø30.00 x 3.00 |
| S309              | S309V/G2-DN32       | <b>R900545858</b> | G 2    | 32 | 73 | 43 | Ø48.00 x 3.00 |

**Accessories:** Pressure relief valve

| Pressure set at the pressure relief valve<br>in bar [psi] | Adjustment type at the pressure relief valve                                       |  | Maximum securable flow<br>l/min [gpm] | Material no.<br>(FKM seal material) |
|---|--|--|---------------------------------------|-------------------------------------|
|   | Hand wheel   | Spindle with protective cap  |                                       |                                     |
| 50 [730]  |   |   | 40 [10.56]                            | 0532004200                          |
| 70 [1015]   |  |  | 50 [13.20]                            | 0532004201                          |
| 100 [1450]  |  |  | 100 [26.40]                           | 0532004202                          |
| 120 [1740]  |  |  | 100 [26.40]                           | 0532004211                          |
| 140 [2030]  |  |  | 100 [26.40]                           | 0532004203                          |
| 160 [2320]  |  |  | 100 [26.40]                           | 0532004204                          |
| 200 [3480]  |  |  | 100 [26.40]                           | 0532004209                          |
| 211 [3060]  |  |  | 100 [26.40]                           | 0532004205                          |
| 250 [3625]  |  |  | 130 [34.32]                           | 0532004206                          |
| 280 [4060]  |  |  | 130 [34.32]                           | 0532004210                          |
| 300 [4350]  |  |  | 130 [34.32]                           | 0532004207                          |
| 330 [4800]  |  |  | 150 [39.60]                           | 0532004208                          |
| 50 [730]  |  |  | 40 [10.56]                            | 0532004102                          |
| 70 [1015]   |  |  | 50 [13.20]                            | 0532004103                          |
| 80 [1160]   |  |  | 60 [15.84]                            | 0532004111                          |
| 100 [1450]  |  |  | 100 [26.40]                           | 0532004104                          |
| 120 [1740]  |  |  | 100 [26.40]                           | 0532004114                          |
| 140 [2030]  |  |  | 100 [26.40]                           | 0532004107                          |
| 160 [2320]  |  |  | 100 [26.40]                           | 0532004105                          |
| 180 [2610]  |  |  | 100 [26.40]                           | 0532004113                          |
| 200 [3480]  |  |  | 100 [26.40]                           | 0532004110                          |
| 211 [3060]  |  |  | 100 [26.40]                           | 0532004100                          |
| 250 [3625]  |  |  | 130 [34.32]                           | 0532004106                          |
| 260 [3770]  |  |  | 130 [34.32]                           | 0532004115                          |
| 280 [4060]  |  |  | 130 [34.32]                           | 0532004112                          |
| 300 [4350]  |  |  | 130 [34.32]                           | 0532004101                          |
| 330 [4800]  |  |  | 150 [39.60]                           | 0532004108                          |

## Safety instructions: Type-examination tested safety valves type 0532VA according to Pressure Equipment Directive 2014/68/EU

- ▶ Before ordering a type-examination tested safety valve, it must be observed that for the desired **response pressure  $p$** , the maximum admissible **flow  $q_{Vmax}$**  of the safety valve must be larger than the maximum possible flow of the system/accumulator to be secured. In this respect, the applicable regulations must be observed!
- ▶ According to the **Pressure Equipment Directive 2014/68/EU**, the increase in the system pressure due to the flow must not exceed 10% of the set response pressure (see component marking).
- ▶ The maximum admissible flow  **$q_{Vmax}$**  stated in the component marking must not be exceeded.
- ▶ Discharge lines of safety valves must end in a risk-free manner. Accumulation of fluids in the discharge system must **not** be possible (see AD2000 - data sheet A2).



### Application notes must always be observed!

- ▶ The response pressure specified in the component marking is set at the plant.
- ▶ The maximum admissible flow stated in the component marking applies for applications without counter pressure in the discharge line (port T).
- ▶ By removing the lead seal at the safety valve, the approval according to the Pressure Equipment Directive becomes void!
- ▶ The requirements of the Pressure Equipment Directive and of data sheet AD2000 A2 must be generally observed!
- ▶ It is recommended to secure type-examination tested safety valves against inadmissible removal from the screw-in housing/block by means of wiring and sealing with the housing/block (bore available in the adjustment element).



### Notice:

The system pressure increases by the counter pressure in the discharge line (port T) due to the increasing flow. (Observe the data sheet AD2000 A2, point 6.3!)

To ensure that this increase in system pressure caused by the flow does not exceed the value of 10% of the set response pressure, the admissible flow has to be reduced depending on the counter pressure in the discharge line (port T) (see diagram on pages 8 and 9).

## Further information

- ▶ Accumulator shut-off block operating instructions; type ABZSS, 0532VAW
- ▶ Pressure relief valve, direct operated; type DBD
- ▶ Type-examination tested safety valves
- ▶ Operating instructions for safety valves
- ▶ Hydraulic fluids on mineral oil basis
- ▶ Selection of the filters
- ▶ Information on available spare parts

Data sheet 50129-B

Data sheet 25402

Data sheet 50153

Data sheet 50153-B

Data sheet 90220

[www.boschrexroth.com/filter](http://www.boschrexroth.com/filter)

[www.boschrexroth.com/spc](http://www.boschrexroth.com/spc)

## Notes

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