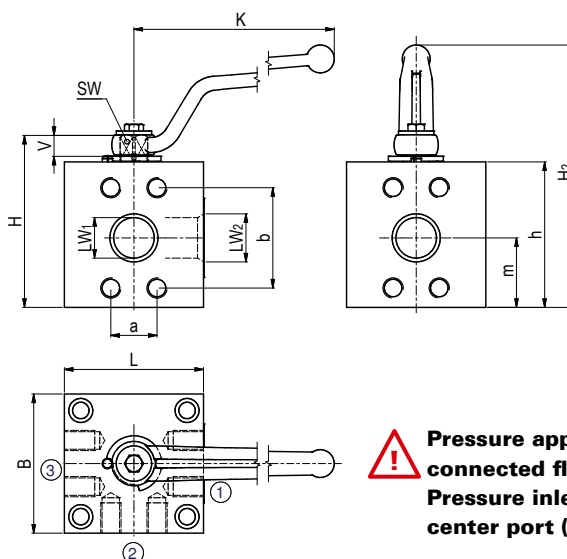


# 3-way compact ball valve with SAE connection metric Steel

**BK3K-SAE**



## AVAILABLE SIZES

DN13 - DN50 (1/2" to 2")

## ACCESSORIES ON REQUEST

- Locking devices on request
- Actuators page 228 - 229
- Mounting holes on request
- Position switches on request
- Combinations on request
- Detent on request

## MATERIAL CODE DESCRIPTION

| Materials       | 112A          | 1128          |
|-----------------|---------------|---------------|
| Body            | Steel         | Steel         |
| Ball            | Steel         | Steel         |
| Stem            | Steel         | Steel         |
| Ball seats      | POM           | POM           |
| O-rings         | NBR           | FPM           |
| Tmin / Tmax     | -20°C / 100°C | -20°C / 100°C |
| Porting pattern | L=SB50        | L=SB50        |

## CONNECTIONS

ISO 6162-2

## PORTING PATTERNS

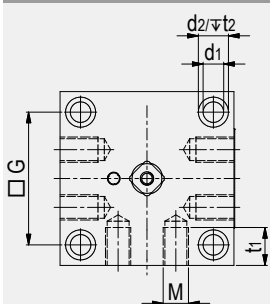


## GENERAL DIMENSIONS

| Type         | LW <sub>1</sub> | LW <sub>2</sub> | L   | B   | H   | h   | m    | V    | SW | K   | H <sub>2</sub> | Lever | Weight [Kg] |
|--------------|-----------------|-----------------|-----|-----|-----|-----|------|------|----|-----|----------------|-------|-------------|
| BK3K-DN13    | 13              | 13              | 70  | 70  | 70  | 56  | 28   | 11   | 9  | 115 | 108            | St    | 1,90        |
| BK3K-DN20    | 20              | 20              | 80  | 80  | 87  | 72  | 36   | 14   | 14 | 171 | 137            | St    | 3,20        |
| BK3K-DN25    | 25              | 25              | 94  | 94  | 96  | 81  | 42   | 14   | 14 | 171 | 147            | St    | 4,85        |
| BK3K-DN32    | 30              | 32              | 100 | 100 | 117 | 100 | 50,5 | 16,5 | 17 | 306 | 190            | St    | 6,80        |
| BK3K-DN32/40 | 30              | 38              | 110 | 110 | 136 | 115 | 55   | 16,5 | 17 | 306 | 209            | St    | 9,55        |
| BK3K-DN50    | 48              | 48              | 135 | 135 | 147 | 135 | 67,5 | 16,5 | 17 | 306 | 220            | St    | 15,50       |

## CONNECTION TYPE

ISO 6162-2



## DIMENSIONS

| Type                | a    | b    | M <sup>(1)</sup>   | t <sub>1</sub> | G   | d <sub>1</sub> | d <sub>2</sub> | t <sub>2</sub> |
|---------------------|------|------|--------------------|----------------|-----|----------------|----------------|----------------|
| BK3K-DN13-SAE420    | 18,2 | 40,5 | M8                 | 18             | 43  | 8,5            | 13,5           | 9              |
| BK3K-DN20-SAE420    | 23,8 | 50,8 | M10                | 20             | 60  | 10,5           | 16,5           | 11             |
| BK3K-DN25-SAE420    | 27,8 | 57,2 | M12                | 21             | 70  | 10,5           | 16,5           | 11             |
| BK3K-DN32-SAE420    | 31,8 | 66,7 | M14 <sup>(2)</sup> | 21             | 76  | 13             | 19             | 13             |
| BK3K-DN32-SAE420    | 31,8 | 66,7 | M12                | 22             | 76  | 13             | 19             | 13             |
| BK3K-DN32/40-SAE420 | 36,5 | 79,4 | M16                | 24             | 84  | 13             | 19             | 13             |
| BK3K-DN50-SAE420    | 44,5 | 96,8 | M20                | 28             | 108 | 13             | 19             | 13             |

- (1) Please advise thread dimension with order. UNC threads on request.  
 (2) This thread is not to be used for new designs.

## ORDER CODE PER MATERIAL COMBINATION

| PN [bar] | 112A L=SB50 | 1128 L=SB50 |
|----------|-------------|-------------|
| 420      | 39013       | 39019       |
| 420      | 39014       | 39020       |
| 420      | 39015       | 39021       |
| 420      | 39016       | 39022       |
| 420      | 41913       | 41914       |
| 420      | 53792       | 53202       |
| 420      | 39018       | 39024       |

Please note the pressure ratings of the tube connections!

Due to material availability the material code of the steel valves may vary from 112A (or 1128).

DN40-50=812A (or 8128). Material suitability for the application does not differ from 112A (or 1128).