

## KHB3K

### Hydraulic three-way ball valve



#### Specifikace:

Hydraulic two-way ball valves are used mainly for distribution of hydraulic liquids as a closing fitting. The ball valve is made of steel or stainless steel, the ball material is nickel-plated steel or stainless steel. They are produced in two designs – opened „T“ or closed „L“. while using „L“ type, middle position means „all closed“, range of handle turn is 90°. while using „T“ type, middle position means „all connected“, range of handle turn is 180°.

#### Model code:

**KHB3K -- M2x1,5 -- 1 1 1 2 01 X -- \***

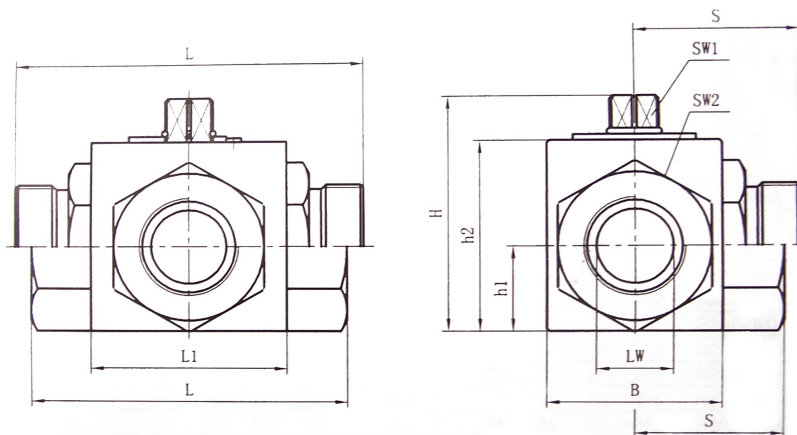
1 2 3 4 5 6 7 8 9

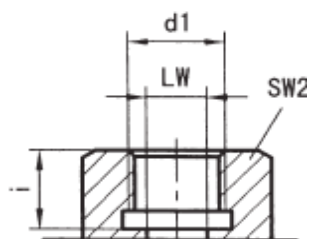
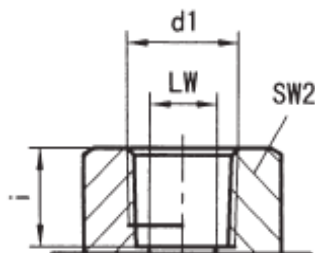
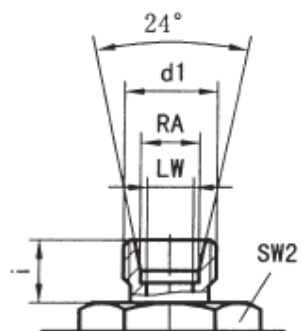
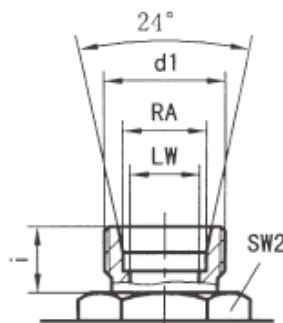
1. series code: KHB3K
2. joint code: Gxx (G thread), xxLR (light), xxSR (heavy)
3. valve body material: 1-steel, 2-stainless steel
4. ball body material: 1-steel, 2-brass, 3-stainless steel
5. operating temperature: -25~+100°C, -30~+170°C
6. other airproof: 2-NBR, 4-FPM
7. handle type: 01-aluminium straight handle, 02-aluminium crooked handle, 03-zinc casting straight handle, 04-zinc casting crooked handle, 05-steel straight handle, 06-steel crooked handle, 09-without handle
8. design number: to be decided by the manufacturer
9. surface disposal: phosphoric polish, electroplated zinc

#### Symbol:



#### Drawing:




**Dimensions:**
**G/BSP**

**NPT**

**LR - light**

**SR - heavy**


| Type           | PN(bar) | DN | LW | RA | d1       | i  | L   | L1  | B   | H   | h1   | h2  | SW1 | SW2 | S    |
|----------------|---------|----|----|----|----------|----|-----|-----|-----|-----|------|-----|-----|-----|------|
| KHB3K-G1/8     | 500     | 04 | 06 | —  | G1/8     | 10 | 69  | 40  | 26  | 45  | 13,5 | 33  | 09  | 22  | 35   |
| KHB3K-G1/4     | 500     | 06 | 06 | —  | G1/4     | 14 | 69  | 40  | 26  | 45  | 13,5 | 33  | 09  | 22  | 35   |
| KHB3K-G3/8     | 500     | 10 | 10 | —  | G3/8     | 14 | 72  | 42  | 32  | 49  | 16   | 36  | 09  | 27  | 36   |
| KHB3K-G1/2     | 500     | 13 | 12 | —  | G1/2     | 16 | 83  | 48  | 35  | 49  | 17   | 40  | 09  | 30  | 40   |
| KHB3K-G1/2     | 400     | 16 | 15 | —  | G1/2     | 16 | 83  | 48  | 38  | 61  | 19   | 45  | 09  | 32  | 42   |
| KHB3K-G3/4     | 315     | 20 | 20 | —  | G3/4     | 18 | 95  | 60  | 48  | 70  | 25   | 55  | 12  | 41  | 49   |
| KHB3K-G1       | 315     | 25 | 25 | —  | G1       | 21 | 113 | 65  | 57  | 79  | 28,5 | 64  | 12  | 50  | 56,5 |
| KHB3K-G1 1/4   | 315     | 32 | 32 | —  | G1 1/4   | 22 | 110 | 84  | 75  | 101 | 37,5 | 84  | 14  | 60  | 62,5 |
| KHB3K-G1 1/2   | 315     | 40 | 38 | —  | G1 1/2   | 24 | 130 | 91  | 85  | 112 | 42,5 | 95  | 14  | 70  | 61   |
| KHB3K-G2       | 315     | 50 | 48 | —  | G2       | 26 | 140 | 100 | 105 | 131 | 52,5 | 112 | 14  | 80  | 62,5 |
| Type           | PN(bar) | DN | LW | RA | d1       | i  | L   | L1  | B   | H   | h1   | h2  | SW1 | SW2 | S    |
| KHB3K-NPT1/8   | 500     | 04 | 06 | —  | NPT1/8   | 10 | 69  | 40  | 26  | 45  | 13,5 | 33  | 09  | 22  | 35   |
| KHB3K-NPT1/4   | 500     | 06 | 06 | —  | NPT1/4   | 14 | 69  | 40  | 26  | 45  | 13,5 | 33  | 09  | 22  | 35   |
| KHB3K-NPT3/8   | 500     | 10 | 10 | —  | NPT3/8   | 14 | 72  | 42  | 32  | 49  | 16   | 36  | 09  | 27  | 36   |
| KHB3K-NPT1/2   | 500     | 13 | 12 | —  | NPT1/2   | 16 | 83  | 48  | 35  | 49  | 17   | 40  | 09  | 30  | 40   |
| KHB3K-NPT1/2   | 400     | 16 | 15 | —  | NPT1/2   | 16 | 83  | 48  | 38  | 61  | 19   | 45  | 09  | 32  | 42   |
| KHB3K-NPT3/4   | 315     | 20 | 20 | —  | NPT3/4   | 18 | 95  | 60  | 48  | 70  | 25   | 55  | 12  | 41  | 49   |
| KHB3K-NPT1     | 315     | 25 | 25 | —  | NPT1     | 21 | 113 | 65  | 57  | 79  | 28,5 | 64  | 12  | 50  | 56,5 |
| KHB3K-NPT1 1/4 | 315     | 32 | 32 | —  | NPT1 1/4 | 22 | 110 | 84  | 75  | 101 | 37,5 | 84  | 14  | 60  | 62,5 |
| KHB3K-NPT1 1/2 | 315     | 40 | 38 | —  | NPT1 1/2 | 24 | 130 | 91  | 85  | 112 | 42,5 | 95  | 14  | 70  | 61   |
| KHB3K-NPT2     | 315     | 50 | 48 | —  | NPT2     | 26 | 140 | 100 | 105 | 131 | 52,5 | 112 | 14  | 80  | 62,5 |
| Type           | PN(bar) | DN | LW | RA | d1       | i  | L   | L1  | B   | H   | h1   | h2  | SW1 | SW2 | S    |
| KHB3K-06LR     | 500     | 04 | 04 | 06 | M12x1,5  | 10 | 67  | 40  | 26  | 45  | 13,5 | 33  | 09  | 22  | 33,5 |
| KHB3K-08LR     | 500     | 06 | 06 | 08 | M14x1,5  | 10 | 67  | 40  | 26  | 45  | 13,5 | 33  | 09  | 22  | 33,5 |
| KHB3K-10LR     | 500     | 08 | 08 | 10 | M16x1,5  | 11 | 74  | 42  | 32  | 49  | 16   | 36  | 09  | 27  | 37   |
| KHB3K-12LR     | 500     | 10 | 10 | 12 | M18x1,5  | 11 | 74  | 42  | 32  | 49  | 16   | 36  | 09  | 27  | 37   |
| 40KHB3K-15LR   | 500     | 13 | 12 | 15 | M22x1,5  | 12 | 82  | 48  | 35  | 53  | 17   | 40  | 09  | 30  | 40   |
| KHB3K-15LR     | 500     | 12 | 12 | 15 | M22x1,5  | 12 | 82  | 48  | 38  | 61  | 19   | 45  | 09  | 32  | 40   |
| KHB3K-18LR     | 500     | 13 | 12 | 18 | M26x1,5  | 12 | 82  | 48  | 35  | 53  | 17   | 40  | 09  | 30  | 42   |
| KHB3K-18LR     | 400     | 16 | 15 | 18 | M26x1,5  | 12 | 82  | 48  | 38  | 61  | 19   | 45  | 09  | 32  | 42   |
| KHB3K-22LR     | 315     | 20 | 19 | 22 | M30x2    | 14 | 101 | 60  | 48  | 70  | 25   | 55  | 12  | 41  | 52   |
| KHB3K-28LR     | 315     | 25 | 24 | 28 | M36x2    | 14 | 108 | 65  | 57  | 79  | 28,5 | 64  | 12  | 50  | 54   |
| KHB3K-35LR     | 315     | 32 | 30 | 35 | M45x2    | 16 | 141 | 84  | 75  | 101 | 37,5 | 84  | 14  | 60  | 66   |
| KHB3K-42LR     | 315     | 40 | 36 | 42 | M52x2    | 16 | 162 | 91  | 85  | 112 | 42,5 | 95  | 14  | 70  | 78   |
| Type           | PN(bar) | DN | LW | RA | d1       | i  | L   | L1  | B   | H   | h1   | h2  | SW1 | SW2 | S    |
| KHB3K-08SR     | 500     | 04 | 05 | 08 | M16x1,5  | 12 | 73  | 40  | 26  | 45  | 13,5 | 33  | 09  | 22  | 37   |
| KHB3K-10SR     | 500     | 06 | 06 | 10 | M18x1,5  | 12 | 73  | 40  | 26  | 45  | 13,5 | 33  | 09  | 22  | 37   |
| KHB3K-12SR     | 500     | 08 | 08 | 12 | M20x1,5  | 12 | 76  | 42  | 32  | 49  | 16   | 36  | 09  | 27  | 38   |
| KHB3K-14SR     | 500     | 10 | 10 | 14 | M22x1,5  | 14 | 80  | 42  | 32  | 49  | 16   | 36  | 09  | 27  | 40   |
| KHB3K-16SR     | 500     | 13 | 12 | 16 | M24x1,5  | 14 | 86  | 48  | 35  | 53  | 17   | 40  | 09  | 30  | 44   |
| KHB3K-16SR     | 500     | 12 | 12 | 16 | M24x1,5  | 14 | 86  | 48  | 38  | 61  | 19   | 45  | 09  | 32  | 43,5 |
| KHB3K-20SR     | 500     | 13 | 12 | 20 | M30x2    | 16 | 90  | 48  | 35  | 53  | 17   | 40  | 09  | 30  | 44   |
| KHB3K-20SR     | 400     | 16 | 15 | 20 | M30x2    | 16 | 90  | 48  | 38  | 61  | 19   | 45  | 09  | 32  | 45,5 |
| KHB3K-25SR     | 315     | 20 | 20 | 25 | M36x2    | 18 | 109 | 60  | 48  | 70  | 25   | 55  | 12  | 41  | 56   |
| KHB3K-30SR     | 315     | 25 | 25 | 30 | M42x2    | 20 | 120 | 65  | 57  | 79  | 28,5 | 64  | 12  | 50  | 60   |
| KHB3K-38SR     | 315     | 32 | 30 | 38 | M52x2    | 22 | 153 | 84  | 75  | 101 | 37,5 | 84  | 14  | 60  | 72   |