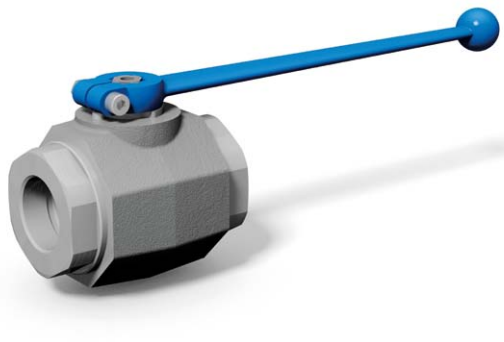
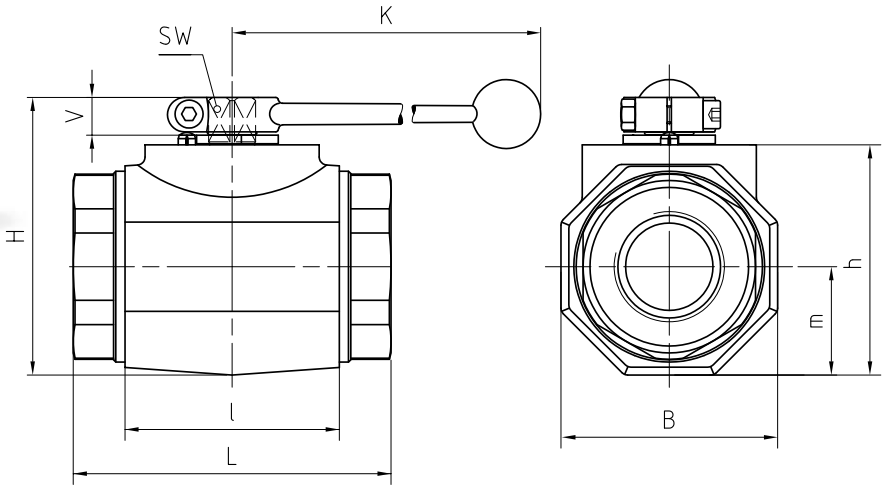
# 2-way ball valve Steel

# MKHP420






## AVAILABLE SIZES

DN32 - DN50 (1 1/4“ to 2“)

## CONNECTIONS

DIN ISO 228 Female thread, ANSI B1.20.1 NPT Female thread, DIN 2353/ISO 8434-1 Light / Heavy series, SAE J 514/ISO/DIS11926-1 Female thread, others on request

## ACCESSORIES ON REQUEST


- Locking devices page 222 - 225
- Actuators 220 - 221
- Mounting holes 24
- Position switches 228 - 229
- Combinations 188 - 189
- 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 |

## GENERAL DIMENSIONS

| Type | l | B 8Kt | H | h | m | V | SW | K | Lever |
|---|---|---|---|---|---|---|---|---|---|
| MKHP420-DN32 | 80 | 81 | 107 | 86 | 40,5 | 16,5 | 17 | 320 | Al |
| MKHP420-DN40 | 85 | 100 | 124 | 103 | 50 | 16,5 | 17 | 320 | Al |
| MKHP420-DN50 | 100 | 118 | 138 | 117 | 59 | 16,5 | 17 | 320 | Al |

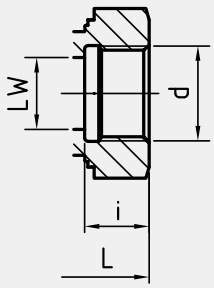
# 2-way ball valve Steel

# MKHP420



## CONNECTION TYPE

### DIN ISO 228 FEMALE THREAD



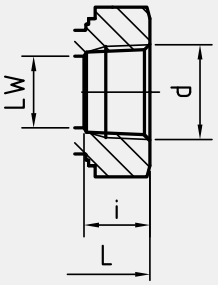

## DIMENSIONS

| Type | LW | L | i | d | Weight [Kg] |
|---|---|---|---|---|---|
| MKHP420-DN32-G1 1/4 | 32 | 111 | 22 | G1 1/4 | 3,47 |
| MKHP420-DN40-G1 1/2 | 38 | 130 | 24 | G1 1/2 | 5,67 |
| MKHP420-DN50-G2 | 48 | 140 | 26 | G2 | 8,14 |

## ORDER CODE PER MATERIAL COMBINATION

| PN [bar] | 112A | 1128 |
|---|---|---|
| 420 | 43548* | 43551* |
| 420 | 43549* | 43552* |
| 420 | 43550* | 43553* |

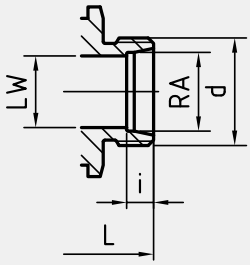
### ANSI B1.20.1 NPT FEMALE THREAD




| Type | LW | L | i | d | Weight [Kg] |
|---|---|---|---|---|---|
| MKHP420-DN32-1 1/4"NPT | 32 | 120 | 22,1 | 1 1/4"NPT | 3,52 |
| MKHP420-DN40-1 1/2"NPT | 38 | 130 | 22,1 | 1 1/2"NPT | 5,69 |
| MKHP420-DN50-2"NPT | 48 | 140 | 30,3 | 2"NPT | 8,14 |

| PN [bar] | 112A | 1128 |
|---|---|---|
| 420 | 43677* | 43680* |
| 420 | 43678* | 43681* |
| 420 | 43679* | 43682* |

### DIN 2353 / ISO 8434-1 LIGHT SERIES




| Type | LW | RA | L | i | d | Weight [Kg] |
|---|---|---|---|---|---|---|
| MKHP420-DN32-35L | 32 | 35 | 136 | 10,5 | M 45x2 | 3,58 |
| MKHP420-DN40-42L | 38 | 42 | 147 | 11 | M 52x2 | 5,54 |

| PN [bar] | 112A | 1128 |
|---|---|---|
| 420 | 43683* | 43685* |
| 420 | 43684* | 43686* |

Please note the pressure ratings of the tube connections!

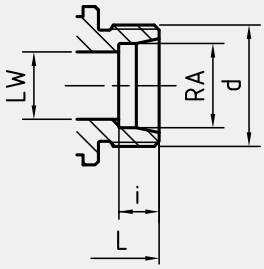
*Article usually in stock.

# 2-way ball valve Steel

# MKHP420

## CONNECTION TYPE

### DIN 2353 / ISO 8434-1 HEAVY SERIES



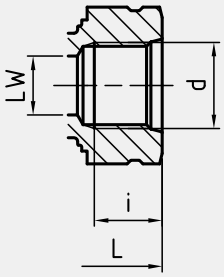

## DIMENSIONS

| Type | LW | RA | L | i | d | Weight [Kg] |
|---|---|---|---|---|---|---|
| MKHP420-DN32-38S | 32 | 38 | 148 | 16 | M 52x2 | 3,77 |

## ORDER CODE PER MATERIAL COMBINATION

| PN [bar] | 112A | 1128 |
|---|---|---|
| 420 | 43687* | 43688* |

### SAE J514/ISO/DIS11926-1 FEMALE THREAD

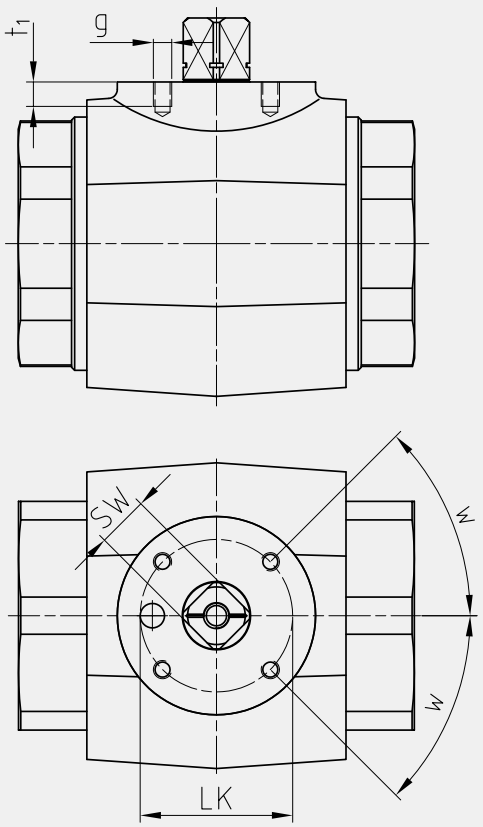



| Type | LW | L | i | d | Weight [Kg] |
|---|---|---|---|---|---|
| MKHP420-DN32-1 5/8"UN | 30 | 111 | 20 | 1 5/8"-12 UN | 3,52 |
| MKHP420-DN40-1 7/8"UN | 38 | 130 | 20 | 1 7/8"-12 UN | 5,69 |
| MKHP420-DN50-2 1/2"UN | 45 | 140 | 20 | 2 1/2"-12 UN | 7,99 |

| PN [bar] | 112A | 1128 |
|---|---|---|
| 420 | 43689* | 43692* |
| 420 | 43690* | 43693* |
| 420 | 43691* | 43694* |

Please note the pressure ratings of the tube connections!

*Article usually in stock.

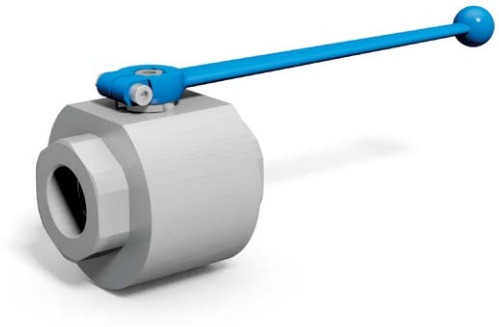


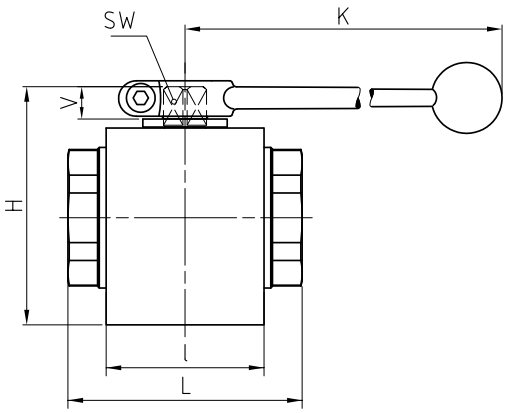

## ASSEMBLING THREADS AS PER ISO 5211

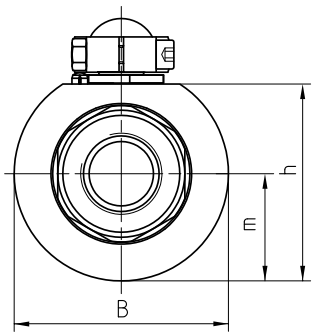
| DN | SW | LK | g | $t_1$ | w | ISO5211 |
|---|---|---|---|---|---|---|
| 32 | 17 | 50 | M6 | 8 | 45° | F05 |
| 40 | 17 | 50 | M6 | 8 | 45° | F05 |
| 50 | 17 | 50 | M6 | 8 | 45° | F05 |

# 2-way ball valve Stainless Steel

# MKHP420






## AVAILABLE SIZES

DN32 - DN50 (1 1/4“ to 2“)

## CONNECTIONS

DIN ISO 228 Female thread, ANSI B1.20.1 NPT Female thread, DIN 2353/ISO 8434-1 Light / Heavy series, SAE J 514/ISO/DIS11926-1 Female thread, others on request

## ACCESSORIES ON REQUEST

| | |
|---|---|
| • Locking devices | page 222 - 225 |
| • Actuators | 220 - 221 |
| • Mounting holes | 28 |
| • Position switches | 228 - 229 |
| • Combinations | on request |
| • Detent | on request |

## MATERIAL CODE DESCRIPTION

| Materials | 442A | 4428 |
|---|---|---|
| Body | Stainless Steel | Stainless Steel |
| Ball | Stainless Steel | Stainless Steel |
| Stem | Stainless Steel | Stainless Steel |
| Ball seats | POM | POM |
| O-rings | NBR | FPM |
| Tmin /Tmax | -30°C / 100°C | -20°C / 100°C |

## GENERAL DIMENSIONS

| Type | l | B | H | h | m | V | SW | K | Lever |
|---|---|---|---|---|---|---|---|---|---|
| MKHP420-DN32 | 80 | 109 | 121 | 100 | 54,5 | 16,5 | 17 | 320 | Al |
| MKHP420-DN40 | 85 | 124 | 136 | 115 | 62 | 16,5 | 17 | 320 | Al |
| MKHP420-DN50 | 101 | 132 | 145 | 124 | 66 | 16,5 | 17 | 320 | Al |

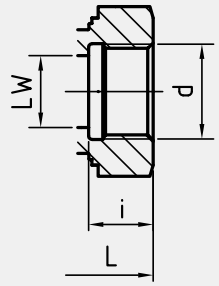
# 2-way ball valve Stainless Steel

# MKHP420



## CONNECTION TYPE

### DIN ISO 228 FEMALE THREAD



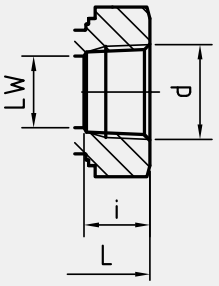

## DIMENSIONS

| Type | LW | L | i | d | Weight [Kg] |
|---|---|---|---|---|---|
| MKHP420-DN32-G1 1/4 | 32 | 111 | 22 | G1 1/4 | 5,67 |
| MKHP420-DN40-G1 1/2 | 38 | 130 | 24 | G1 1/2 | 8,16 |
| MKHP420-DN50-G2 | 48 | 140 | 26 | G2 | 10,45 |

## ORDER CODE PER MATERIAL COMBINATION

| PN [bar] | 442A | 4428 |
|---|---|---|
| 420 | 50006* | 49265* |
| 420 | 49271* | 49102* |
| 420 | 49764* | 51637* |

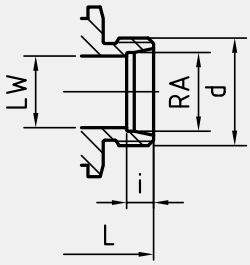
### ANSI B1.20.1 NPT FEMALE THREAD




| Type | LW | L | i | d | Weight [Kg] |
|---|---|---|---|---|---|
| MKHP420-DN32-1 1/4"NPT | 32 | 120 | 22,1 | 1 1/4"NPT | 5,72 |
| MKHP420-DN40-1 1/2"NPT | 38 | 130 | 22,1 | 1 1/2"NPT | 8,16 |
| MKHP420-DN50-2"NPT | 48 | 140 | 30,3 | 2"NPT | 10,37 |

| PN [bar] | 442A | 4428 |
|---|---|---|
| 420 | 48751* | 53257* |
| 420 | 53256* | 53258* |
| 420 | 51994* | 53259* |

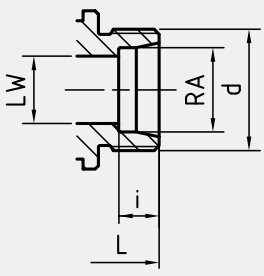
### DIN 2353 / ISO 8434-1 LIGHT SERIES




| Type | LW | RA | L | i | d | Weight [Kg] |
|---|---|---|---|---|---|---|
| MKHP420-DN32-35L | 32 | 35 | 136 | 10,5 | M 45x2 | 5,78 |
| MKHP420-DN40-42L | 38 | 42 | 147 | 11 | M 52x2 | 8,35 |

| PN [bar] | 442A | 4428 |
|---|---|---|
| 420 | 53260* | 53261* |
| 420 | 48766* | 49335* |

### DIN 2353 / ISO 8434-1 HEAVY SERIES




| Type | LW | RA | L | i | d | Weight [Kg] |
|---|---|---|---|---|---|---|
| MKHP420-DN32-38S | 32 | 38 | 148 | 16 | M 52x2 | 5,97 |

| PN [bar] | 442A | 4428 |
|---|---|---|
| 420 | 51699* | 53262* |

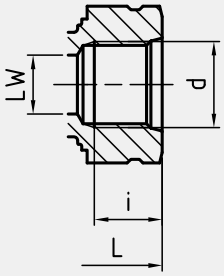
# 2-way ball valve Stainless Steel

# MKHP420



## CONNECTION TYPE

SAE J514/ISO/DIS11926-1 FEMALE THREAD




## DIMENSIONS

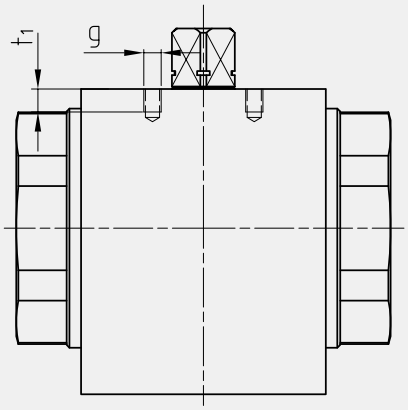
| Type | LW | L | i | d | Weight [Kg] |
|---|---|---|---|---|---|
| MKHP420-DN32-1 5/8"UN | 30 | 111 | 20 | 1 5/8"-12 UN | 5,72 |
| MKHP420-DN40-1 7/8"UN | 38 | 130 | 20 | 1 7/8"-12 UN | 8,16 |
| MKHP420-DN50-2 1/2"UN | 45 | 140 | 20 | 2 1/2"-12 UN | 9,47 |

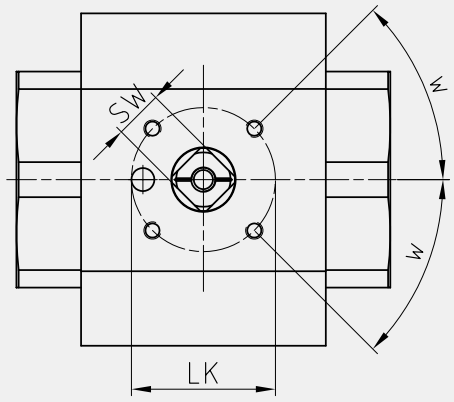
## ORDER CODE PER MATERIAL COMBINATION

| PN [bar] | 442A | 4428 |
|---|---|---|
| 420 | 37187* | 53263* |
| 420 | 37188* | 37191* |
| 420 | 53264* | 37192* |

Please note the pressure ratings of the tube connections!

*Article usually in stock.




## ASSEMBLING THREADS AS PER ISO 5211

| DN | SW | LK | g | $t_1$ | w | ISO5211 |
|---|---|---|---|---|---|---|
| 32 | 17 | 50 | M6 | 8 | 45° | F05 |
| 40 | 17 | 50 | M6 | 8 | 45° | F05 |
| 50 | 17 | 50 | M6 | 8 | 45° | F05 |