

Climate
Control

IMI TA

TA-BAV



Ball valves

Version with lever, spindle extension, lockshield and compression ends – DN 15-50

TA-BAV

Ball valve for heating and cooling systems. Tapwater systems.
Available in the pressure classes PN 25-40.



Technical description

Application:

Heating and cooling systems
Tap water systems

Function:

Shut-off

Dimensions:

DN 15-50

Pressure class:

PN 25-40, see table

Temperature:

Max. working temperature: 120°C

Min. working temperature: -10°C

Pressure and temperature limits:

Max. pressure at different temperature.

Threaded PN 25-40;

90°C: 40 bar

120°C: 25 bar

With compression couplings PN 10-25;

90°C: 25 bar

120°C: 10 bar

Media:

Water and neutral fluids, water-glycol mixtures.

Material:

Body: DZR brass CW602N

Spindle: Brass CW602N (DN 15-25),

brass CW617N (DN 32-50)

Ball: Brass CW614N (female ends version) or brass CW602N (compression ends version), polished and chrome plated.

Spindle seal: PTFE O-ring

Seal rings: PTFE

End nut: Brass CW602N

Lever: Steel with plastic cover

Marking:

IMI, PN, DN, material.

Connections:

- Internal thread according to ISO 228.

Thread length according to ISO 7/1.

- Compression ends.

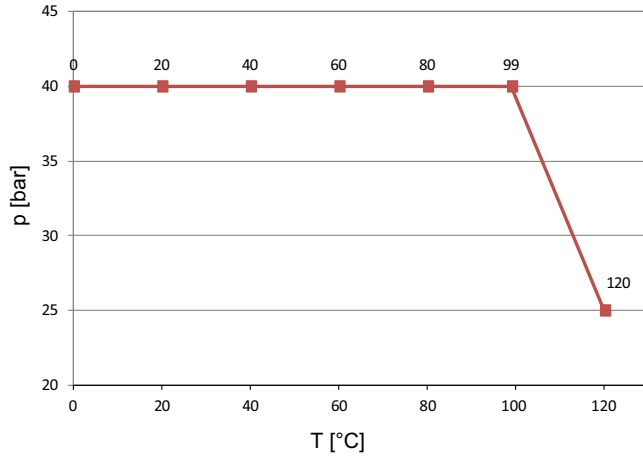
Approvals:

WRAS

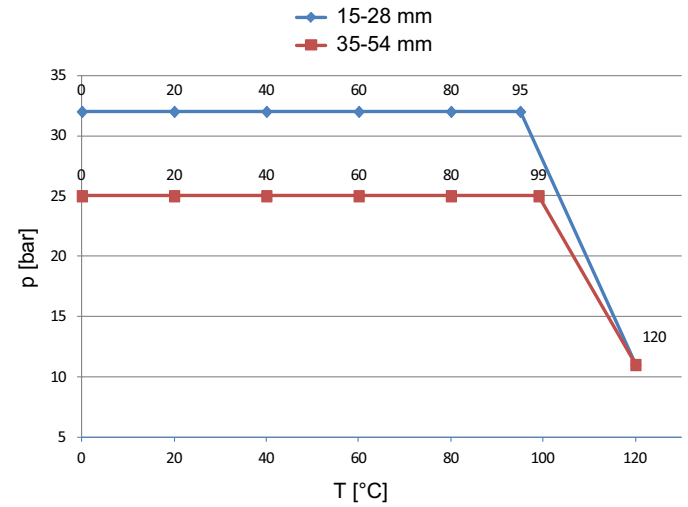
Max pressure at different temperature

With Internal threads

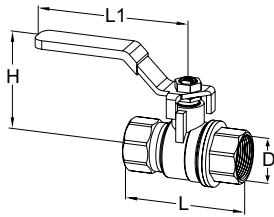
DN 15-50



With compression couplings

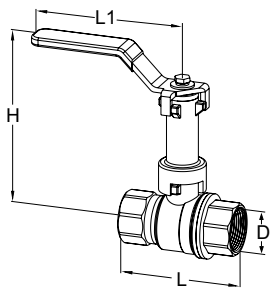


With internal threads



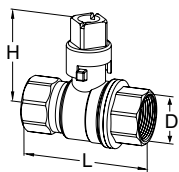
With lever

| DN | D | L | L1 | H | Kvs | Kg | EAN | Article No |
|----|--------|------|-----|------|-----|------|---------------|--------------|
| 15 | G1/2 | 57,5 | 81 | 50 | 17 | 0,20 | 7640161641969 | 327011-00407 |
| 20 | G3/4 | 65 | 81 | 53,5 | 41 | 0,30 | 7640161641976 | 327011-00507 |
| 25 | G1 | 75,5 | 114 | 63,5 | 70 | 0,53 | 7640161641983 | 327011-00607 |
| 32 | G1 1/4 | 91 | 114 | 68,5 | 121 | 0,77 | 7640161641990 | 327011-00707 |
| 40 | G1 1/2 | 99 | 158 | 83 | 200 | 1,19 | 7640161642003 | 327011-00807 |
| 50 | G2 | 121 | 158 | 92 | 292 | 1,73 | 7640161642010 | 327011-00907 |



With spindle extension

| DN | D | L | L1 | H | Kvs | Kg | EAN | Article No |
|----|--------|------|-----|-------|-----|------|---------------|--------------|
| 15 | G1/2 | 57,5 | 81 | 91 | 17 | 0,29 | 7640161642027 | 327011-00408 |
| 20 | G3/4 | 65 | 81 | 94,5 | 41 | 0,38 | 7640161642034 | 327011-00508 |
| 25 | G1 | 75,5 | 114 | 95,5 | 70 | 0,56 | 7640161642041 | 327011-00608 |
| 32 | G1 1/4 | 91 | 114 | 100,5 | 121 | 0,92 | 7640161642058 | 327011-00708 |
| 40 | G1 1/2 | 99 | 158 | 128 | 200 | 1,15 | 7640161642065 | 327011-00808 |
| 50 | G2 | 121 | 158 | 137 | 292 | 2,13 | 7640161642072 | 327011-00908 |

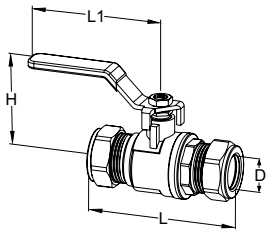


With lockshield

| DN | D | L | H | Kvs | Kg | EAN | Article No |
|----|--------|------|------|-----|------|---------------|--------------|
| 15 | G1/2 | 57,5 | 55 | 17 | 0,24 | 7640161642089 | 327011-00409 |
| 20 | G3/4 | 65 | 58,5 | 41 | 0,33 | 7640161642096 | 327011-00509 |
| 25 | G1 | 75,5 | 68,5 | 70 | 0,60 | 7640161642102 | 327011-00609 |
| 32 | G1 1/4 | 91 | 73,5 | 121 | 0,83 | 7640161642119 | 327011-00709 |
| 40 | G1 1/2 | 99 | 88 | 200 | 1,32 | 7640161642126 | 327011-00809 |
| 50 | G2 | 121 | 97 | 292 | 1,94 | 7640161642133 | 327011-00909 |

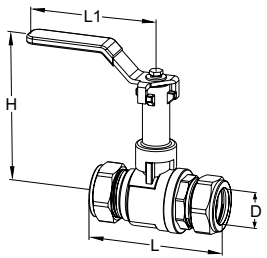
Kvs = m³/h at a pressure drop of 1 bar and fully open valve.

With compression couplings



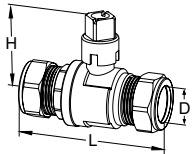
With lever

| DN | D | L* | L1 | H | Kvs | Kg | EAN | Article No |
|----|----|------|-----|------|-----|------|---------------|--------------|
| 15 | 15 | 56,5 | 81 | 47 | 17 | 0,25 | 5902276800092 | 421500-02415 |
| 20 | 22 | 67,5 | 81 | 50,5 | 41 | 0,37 | 5902276800108 | 421500-02422 |
| 25 | 28 | 72 | 114 | 58,5 | 70 | 0,60 | 5902276800115 | 421500-02428 |
| 32 | 35 | 85 | 114 | 63,5 | 121 | 0,85 | 5902276800061 | 421500-02335 |
| 40 | 42 | 98,5 | 158 | 79 | 200 | 1,34 | 5902276800078 | 421500-02342 |
| 50 | 54 | 115 | 158 | 86,5 | 292 | 2,15 | 5902276800085 | 421500-02354 |



With spindle extension

| DN | D | L* | L1 | H | Kvs | Kg | EAN | Article No |
|----|----|------|-----|-------|-----|------|---------------|--------------|
| 15 | 15 | 56,5 | 81 | 88 | 17 | 0,33 | 5902276800214 | 421501-02415 |
| 20 | 22 | 67,5 | 81 | 91,5 | 41 | 0,45 | 5902276800221 | 421501-02422 |
| 25 | 28 | 72 | 114 | 92,5 | 70 | 0,75 | 5902276800238 | 421501-02428 |
| 32 | 35 | 85 | 114 | 95,5 | 121 | 1,00 | 5902276800184 | 421501-02335 |
| 40 | 42 | 98,5 | 158 | 124 | 200 | 1,62 | 5902276800191 | 421501-02342 |
| 50 | 54 | 115 | 158 | 131,5 | 292 | 2,44 | 5902276800207 | 421501-02354 |



With lockshield

| DN | D | L* | H | Kvs | Kg | EAN | Article No |
|----|----|------|------|-----|------|---------------|--------------|
| 15 | 15 | 56,5 | 44,5 | 17 | 0,28 | 5902276800337 | 421502-02415 |
| 20 | 22 | 67,5 | 48 | 41 | 0,40 | 5902276800344 | 421502-02422 |
| 25 | 28 | 72 | 55 | 70 | 0,66 | 5902276800351 | 421502-02428 |
| 32 | 35 | 85 | 60 | 121 | 0,91 | 5902276800306 | 421502-02335 |
| 40 | 42 | 98,5 | 75 | 200 | 1,43 | 5902276800313 | 421502-02342 |
| 50 | 54 | 115 | 82,5 | 292 | 2,25 | 5902276800320 | 421502-02354 |

*) dimension L (mm) is the length of the body without nuts

Kvs = m³/h at a pressure drop of 1 bar and fully open valve.

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