

### Logic Valve



### Ratings

| MODEL      | RATED FLOW<br>l/min | MAX. OPERATING<br>PRESSURE<br>kgf/cm <sup>2</sup> | CRACKING<br>PRESSURE<br>kgf/cm <sup>2</sup> | RATIO OF<br>POPPET AREA |
|------------|---------------------|---------------------------------------------------|---------------------------------------------|-------------------------|
| LCV-16-※-※ | 130                 | 315                                               | 05 : 05                                     | 2 : 1                   |
| LCV-25-※-※ | 350                 |                                                   |                                             |                         |
| LCV-32-※-※ | 500                 |                                                   | 20 : 2.0                                    |                         |
| LCV-40-※-※ | 850                 |                                                   |                                             |                         |
| LCV-50-※-※ | 1400                |                                                   | 50 : 4.5                                    |                         |
| LCV-63-※-※ | 2100                |                                                   |                                             |                         |

### Model Number Designation

LCV - 32 - 05 - E

VALVE TYPE

E : DIRECTIONAL & FLOW CONTROL LOGIC VALVES

D : SHOCK LESS LOGIC VALVE

B : RELIEF LOGIC VALVES

CRACKING PRESSURE

05 : 0.35

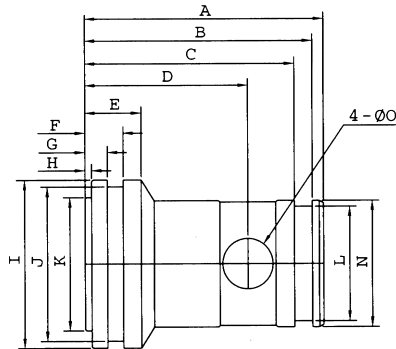
20 : 2.0

50 : 4.5

VALVE SIZE

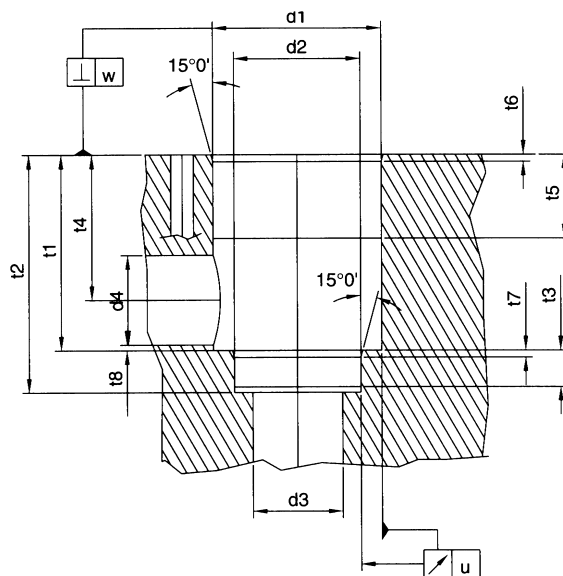
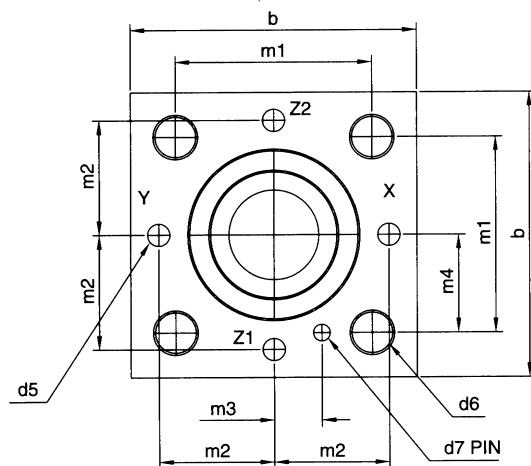
GROUP

## ■ LCV-※-※-※



| SIZE | A   | B     | C     | D    | E  | F    | G   | H   | I   | J    | K    | L    | N  | O    |
|------|-----|-------|-------|------|----|------|-----|-----|-----|------|------|------|----|------|
| 16   | 56  | 52    | 46.5  | 37   | 16 | 10.5 | 7   | 2.4 | 32  | 29.2 | 23.7 | 22.2 | 25 | 10   |
| 25   | 72  | 69    | 62.6  | 43   | 16 | 13.5 | 8.8 | 1.8 | 45  | 40.8 | 37   | 29.8 | 34 | 14   |
| 32   | 85  | 81    | 74.6  | 58   | 20 | 13.6 | 8   | 2.4 | 60  | 55   | 47.5 | 40.8 | 45 | 18   |
| 40   | 105 | 97    | 90.6  | 66.5 | 24 | 15.6 | 10  | 2.4 | 75  | 70   | 62   | 50.8 | 55 | 23.5 |
| 50   | 122 | 114   | 107.6 | 83   | 20 | 14.6 | 9   | 2.4 | 90  | 85   | 76.8 | 63.8 | 68 | 28   |
| 63   | 155 | 145.5 | 134   | 115  | 27 | 21   | 12  | 4.6 | 120 | 110  | 94   | 80   | 90 | 25   |

## ■ DIN24342



| SIZE | b   | b1<br>H7 | b2<br>H7 | b3 | b4 | b5 | b6  | b7 | m1<br>+0.2 | m2<br>+0.2 | m3<br>+0.2 | m4<br>+0.2 | t1<br>+0.1 | t2<br>+0.1 | t3 | t4 | t5 | t6  | t7  | t8  | u    | w    |
|------|-----|----------|----------|----|----|----|-----|----|------------|------------|------------|------------|------------|------------|----|----|----|-----|-----|-----|------|------|
| 16   | 65  | 32       | 25       | 16 | 25 | 4  | M8  | 4  | 46         | 25         | 10.5       | 23         | 43         | 56         | 11 | 34 | 20 | 2   | 2   | 0.5 | 0.03 | 0.05 |
| 25   | 85  | 45       | 34       | 25 | 32 | 6  | M12 | 6  | 58         | 33         | 16         | 29         | 58         | 72         | 12 | 44 | 30 | 2.5 | 2.5 | 1.0 | 0.03 | 0.05 |
| 32   | 102 | 60       | 45       | 32 | 40 | 8  | M16 | 6  | 70         | 41         | 17         | 35         | 70         | 85         | 13 | 52 | 30 | 2.5 | 2.5 | 1.5 | 0.03 | 0.1  |
| 40   | 125 | 75       | 55       | 40 | 50 | 10 | M20 | 6  | 85         | 50         | 23         | 42.5       | 87         | 105        | 15 | 64 | 30 | 3   | 3   | 2.5 | 0.05 | 0.1  |
| 50   | 140 | 90       | 68       | 50 | 63 | 10 | M20 | 8  | 100        | 58         | 30         | 50         | 100        | 122        | 17 | 72 | 35 | 4   | 3   | 2.5 | 0.05 | 0.1  |
| 63   | 180 | 120      | 90       | 63 | 80 | 12 | M30 | 8  | 125        | 75         | 38         | 62.5       | 130        | 155        | 20 | 95 | 40 | 4   | 4   | 3   | 0.05 | 0.2  |