



DAVINCI TECHNICAL DATA GUIDE

# AUTOMATIC CONTROL VALVES

## AIR RELEASE VALVES

Ref. 223A-CM / PN 10-16

CE



### Application

Heating and HVAC systems.  
Cooling and overheated water circuits.  
Pumping stations.  
Compressor connections.  
Industrial and marine piping systems.

### Approvals/Standards

Mounting with threaded ends: GAS/NPT  
Pressure Tests acc. to EN 12266-1 Rate A. GB/T13927-1992  
Pressure Tests: Body: 1,5 x PN  
Products excluded from directive directive 2014/68/EU Equipment under pressure (Article 4&3).

### Certifications

CE

### Range

DN15-80, PN10-16



## GENERAL CHARACTERISTICS

Range from DN15 up to DN80

Full bore.

Twin wave construction with minimum head loss.  
Designed to absorb vibration and noises in fluid conduction pipelines.

Made with a special moulding technique using synthetic fiber of high resistance to reinforce the body, can support a braking pressure of more than 60 bar, even if the usual working pressure is not above 16 bar.

Installation in horizontal and vertical position.

## WORKING CONDITIONS

Maximum working pressure: 16 bar.

Working pressure: 16 bar.

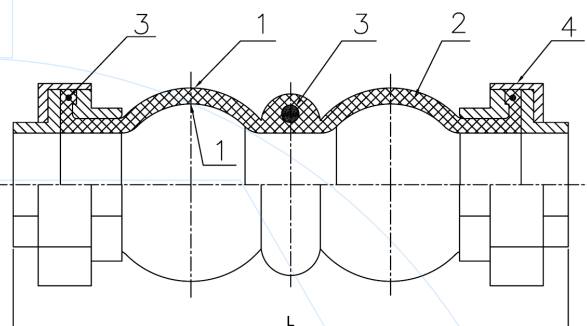
Working temperature: -5°C +100°C (for EPDM).

Suitable media: water.

Consult factory for other applications.

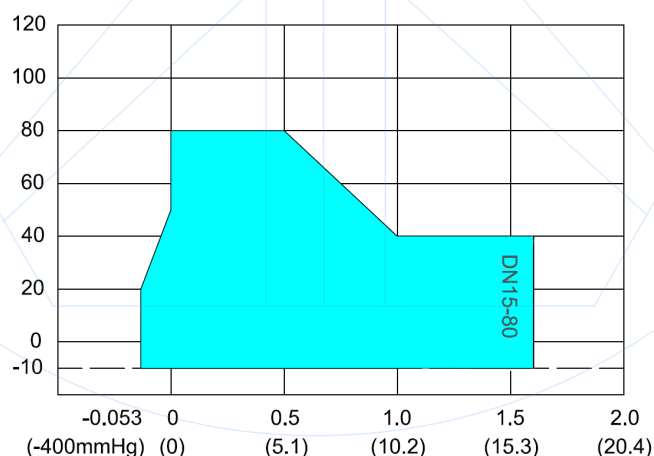
| Nº | ITEM                 | MATERIAL          |
|----|----------------------|-------------------|
| 1  | Outer / Innet rubber | EPDM              |
| 2  | Key frame            | Cord fabric       |
| 3  | Reinforcing ring     | Steel wire strand |
| 4  | Threads              | Cast iron         |

*Components may be replaced with materials of equivalent or superior grade without prior notice, in accordance with our continuous improvement policy.*



| DN | L   | DISPLACEMENT |             |             |       | Weight (kg) |
|----|-----|--------------|-------------|-------------|-------|-------------|
|    |     | Extension    | Compression | Transversal | Angle |             |
| 15 | 200 | 6            | 22          | 22          | 40°   | 0.7         |
| 20 | 200 | 6            | 22          | 22          | 40°   | 0.9         |
| 25 | 200 | 6            | 22          | 22          | 40°   | 1.2         |
| 32 | 200 | 6            | 22          | 22          | 40°   | 1.4         |
| 40 | 200 | 6            | 22          | 22          | 40°   | 2.0         |
| 50 | 200 | 6            | 22          | 22          | 40°   | 2.5         |
| 65 | 265 | 6            | 24          | 24          | 40°   | 3.7         |
| 80 | 285 | 6            | 24          | 24          | 40°   | 5.0         |

Temp.[°C]



### TEMPERATURE/PRESSURE RATE FOR EPDM

Highest temperature and working pressure

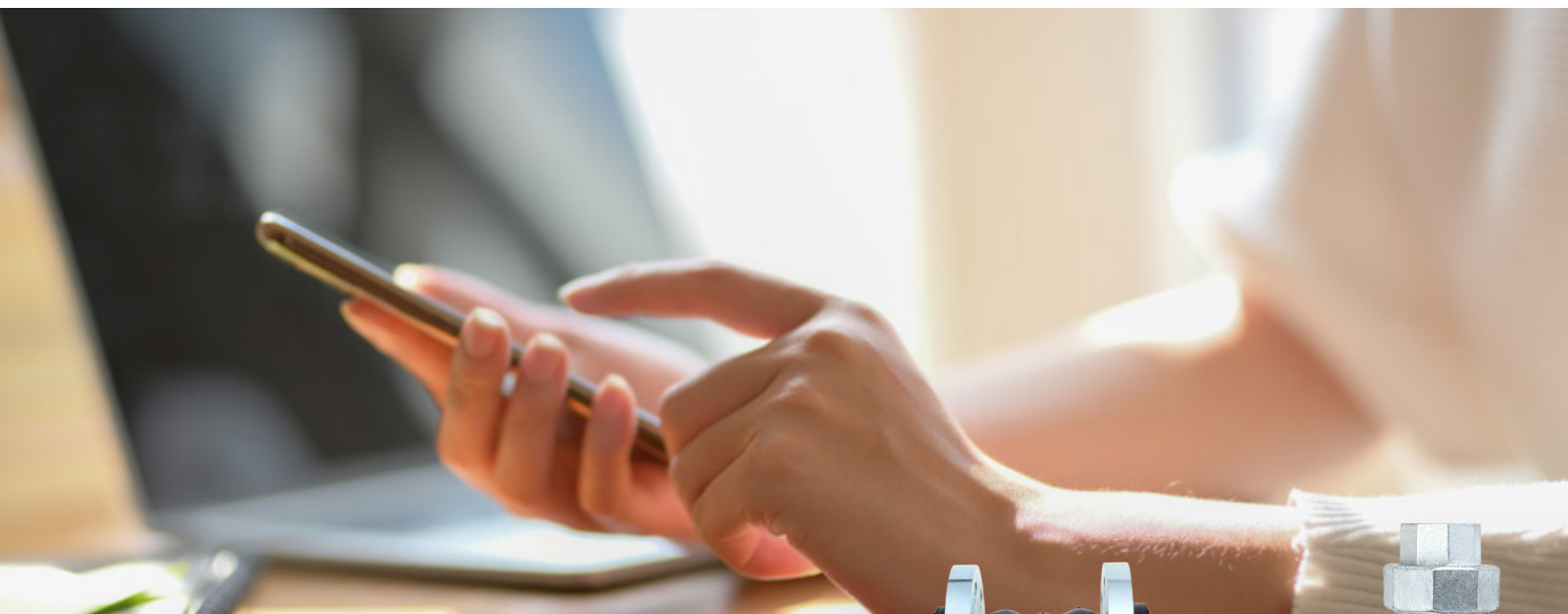
| DN    | <50°C  | 50°C   | 55°C  | 60°C   | 70°C  | 80°C  | 90°C  |
|-------|--------|--------|-------|--------|-------|-------|-------|
| 15-80 | 16 bar | 10 bar | 9 bar | 10 bar | 7 bar | 4 bar | 2 bar |



CONTACT US

# DAVINCI VALVES ORDER REQUEST

Ref. 223A-CM / PN 10-16



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