

BALL VALVES

TECHNICAL INFORMATION

CLASSIFICATION OF THE PRODUCTS

Classification of the products	Type	Scope
Ball valve from carbon steel, full bore, PN 16, 25, 40	AH-2c-MK, AH-2c-MP, AH-2c-MG AH-2c AH-2cg, AH-2cp, AH-2cd AH-11c, AH-12c AH-11cj, AH-12cj AH-14c, AH-15c	DN 15-25 PN 16, 25, 40 DN 32-80 PN 16, 25, 40 DN 32-80 PN 16, 25, 40 DN 100-150 PN 16, 25, 40 DN 100-150 PN 16, 25, 40 DN 200-800 PN 16, 25, 40
Ball valve from carbon steel, full bore, PN 63	AH-3, AH-3p, AH-3G AH-3, AH-3p AH-3j, AH-3pj AH-5w, AH-5pw AH-4w, AH-4pw AH-4, AH-4p	DN 15-25 PN 63 DN 32-65 PN 63 DN 50-65 PN 63 DN 80 PN 63 DN 80-800 PN 63 DN 100-800 PN 63
Ball valve from carbon steel full bore, PN 100	AH-3, AH-3p, AH-3G AH-3, AH-3p AH-3j, AH-3pj AH-5w, AH-5pw AH-4w, AH-4pw AH-4, AH-4p	DN 15-25 PN 100 DN 32-65 PN 100 DN 50-65 PN 100 DN 80 PN 100 DN 80-800 PN 100 DN 100-800 PN 100
Ball valve from carbon steel, reduced bore , PN 16	AH-30, AH-30k, AH-30GR, AH-30g, AH-30gk AH-30, AH-30k, AH-30g, AH-30gk AH-14cr, AH-15cr	DN 10-80 PN 16 DN 100-250 PN 16 DN 300-800 PN 16
Ball valve from carbon steel, reduced bore , PN 25	AH-30, AH-30k, AH-30GR, AH-30g, AH-30gk AH-30, AH-30k, AH-30g, AH-30gk AH-14cr, AH-15cr	DN 10-80 PN 25 DN 100-250 PN 25 DN 300-800 PN 25
Ball valve from carbon steel, reduced bore , PN 40	AH-30, AH-30k, AH-30GR, AH-30g, AH-30gk	DN 10-50 PN 40
Ball valve from stainless steel, full bore, PN 16, 25, 40	AH-2c-MK/K, AH-2c-MP/K, AH-2c-MG/K AH-2c/K AH-2cg/K, AH-2cp/K, AH-2cd/K	DN 15-25 PN 16-40 DN 32-80 PN 16-40 DN 32-80 PN 16-40
Ball valve from carbon steel, full bore, CI 150	AH-2c-MK, AH-2c-MP, AH-2c-MG AH-2c, AH-2cp, AH-2cg AH-2c, AH-2cp AH-11c, AH-12c AH-14c, AH-15c	½"-1" CI 150 1¼" - 2" CI 150 2½" - 3" CI 150 4"-6" CI 150 8"-32" CI 150
Ball valve from carbon steel, full bore, CI 300	AH-2c-MK, AH-2c-MP, AH-2c-MG AH-2c, AH-2cp, AH-2cg AH-2c, AH-2cp AH-11c, AH-12c AH-14c, AH-15c	½"-1" CI 300 1¼" - 2" CI 300 2½" - 3" CI 300 4"-6" CI 1300 8"-32" CI 300
Ball valve from carbon steel, full bore, CI 600	AH-3, AH-3p, AH-3G AH-3, AH-3p AH-3j, AH-3pj AH-4, AH-4p	½"-1" CI 600 1¼" - 1½" CL600 2"-2½" CI 600 3"-32" CI 150

BUILDING
INSTALLA-
TIONS

BUILDING
CONTROLS

DISTRICT
ENERGY

OIL & GAS

LAB &
EMERGENCY
SHOWERS

BALL VALVES TECHNICAL INFORMATION

Ball valve – type of shut-off valves that plays a leading role among valves because of its specific features. A ball is the closing element placed in a seat formed by two seals which guarantees tightness of the valve. The valve body is made of steel and thanks to the simplicity of design it ensures long-term trouble-free operation.

Ball valves offer the following advantages:

- long-term 100% tightness
- minimum pressure losses
- circular bore
- easy control
- maintenance-free operation
- compact construction
- mechanical and chemical resistance

Ball valves production program:

STANDARD EN

DN10 - DN800

PN16 - PN100

TP-40°C - +200°C

STANDARD API Spec. 6D

NPS 1/2 - 32

CI 150 - CI 600

-20°F - +300°F

BUILDING
INSTALLA-
TIONS

BUILDING
CONTROLS

DISTRICT
ENERGY

OIL & GAS

LAB &
EMERGENCY
SHOWERS

BALL VALVES

DEDICATION OF VARIMEX-VALVES PRODUCTS

The ball valves are dedicated for gas, petrochemical, refinery, heating and other installations. Examples of the agents supported by the ball valves are provided below:

- Gases
 - natural gas
 - propane
 - butane
 - propane & butane mixtures
- Air
 - air
 - CO₂
 - helium group gases
- Exhaust gas
 - hot air
 - exhaust gas
 - other increased temperature gases
- Water and saturated steam
 - hot water 80°C
 - treated hot water 150°C for heating systems
 - steam from treated hot water for steam circuits
- Fuel and oils
 - petrol
 - kerosene
 - diesel oil
 - light heating oil
 - JET-A1 aviation fuel
 - other oil products

BUILDING
INSTALLA-
TIONS

BUILDING
CONTROLS

DISTRICT
ENERGY

OIL & GAS

LAB &
EMERGENCY
SHOWERS

BALL VALVES TECHNICAL INFORMATION

AVAILABLE FEATURES

- linear and volumetric compensation system
- end connections: Flanged Ends, Welded Ends and Threaded
- floating or trunnion mounted ball
- full-bore or reduced bore valves
- sealing of the stem
- „Fire Safety” (EN ISO 10497)
- additional sealing lubrication
- anti-static protection (EN 1983; API Spec. 6D)
- drainage (venting) system of the valve, DBB - Double Block and Bleed (EN 1983, API Spec. 6D)
- Anti Blow system protecting the stem against blowing out
- standard sealing of the ball
- PMSS sealing of the ball (Primary Metal Secondary Soft)
- Metal-Metal sealing of the ball
- ISO Standard Connection Plate

