



SAMPLE SPECIFICATION

MANUALLY OPERATED LAROX® PINCH VALVES

Valves shall be with flanged joint ends and port areas shall be 100% of the pipe area. The elastomer sleeve shall be made from specified elastomer an one piece construction with integral flanges and shall be the only part in connection with the flowing medium. The flanges shall be drilled to the specified standard. The valve shall have face to face dimension of 165 mm to DN 65 size and 2½ times the valve nominal bore in sizes larger than DN 65. The closing mechanism shall be operated by manual handwheel and shall be double acting and pinch the sleeve from opposite sides by two pinch bars squeezing the sleeve shut on centre line. Stem shall have metric trapezoidal Tr-thread and shall be made from Fe52C, AISI 304 or AISI 316. Valves for high pressure service or large diameter shall be equipped with bevel gears.

BODY TYPES

PV pinch valves are to be of the open body mechanical pinch type. Sleeve shall be visible in all positions of pinching.

PVE pinch valves are to be of the enclosed body mechanical pinch type. Sleeve shall be covered by the valve body having RCH 1000 bushings and PTFE sealings. There shall be a plug minimum of G ½” at the bottom of the valve housing. A gauge indicating pressure changes in the valve body shall be mounted upon request.

PVE/S pinch valves are to be of the sealed enclosed body mechanical pinch type. The enclosed valve shall be equipped with a fugitive emission package that includes the stem and body seals to provide a secondary containment of the fluid in the valve and leakage to the outside environment from the valve body.

PVS pinch valves are to be of the sealed body mechanical pinch type. The closing mechanism shall be non-rising and operated by two hydraulic cylinders and shall pinch the sleeve from opposite sides by two pinch bars squeezing the sleeve shut on centre line. Sleeve shall be covered by the valve body. There shall be a plug minimum of G ½” at the bottom of the valve housing.

ACTUATORS

M = manual, handwheel operated, valves for high pressure service or large diameter shall be equipped with bevel gears. Chain wheels, stem extensions and other specials on request.

AUXILIARIES

R = inductive limits; Telemecanique XS1-N18 (DC 3W PNP), XS1-N18 (DC 3W NPN), XS1-M18(AC/DC 2W) or Neles NI 7211 (NAMUR), others on request

T = mechanical limits: TelemecaniqueXCK-M102 or Neles NK 7201, others on request

X = other, must be specified separately



SAMPLE SPECIFICATION

PNEUMATICALLY OPERATED LAROX® PINCH VALVES

Valves shall be with flanged joint ends and port areas shall be 100% of the pipe area. The elastomer sleeve shall be made from specified elastomer a one piece construction with integral flanges and shall be the only part in connection with the flowing medium. The flanges shall be drilled to the specified standard. The valve shall have face to face dimension of 165 mm to DN 65 size and 2½ times the valve nominal bore in sizes larger than DN 65. The closing mechanism shall be operated by pneumatic cylinder and shall be double acting and pinch the sleeve from opposite sides by two pinch bars squeezing the sleeve shut on centre line. The pneumatic cylinder actuator shall be used with either lubricated or non-lubricated compressed air. The cylinder is to have a working pressure of minimum 6 bar.

BODY TYPES

PV pinch valves are to be of the open body mechanical pinch type. Sleeve shall be visible in all positions of pinching.

PVE pinch valves are to be of the enclosed body mechanical pinch type. Sleeve shall be covered by the valve body having RCH 1000 bushings and PTFE sealings. There shall be a plug minimum of G ½” at the bottom of the valve housing. A gauge indicating pressure changes in the valve body shall be mounted upon request.

PVE/S pinch valves are to be of the sealed enclosed body mechanical pinch type. The enclosed valve shall be equipped with a fugitive emission package that includes the stem and body seals to provide a secondary containment of the fluid in the valve and leakage to the outside environment from the valve body.

PVS pinch valves are to be of the sealed body mechanical pinch type. The closing mechanism shall be non-rising and operated by two hydraulic cylinders and shall pinch the sleeve from opposite sides by two pinch bars squeezing the sleeve shut on centre line. Sleeve shall be covered by the valve body. There shall be a plug minimum of G ½” at the bottom of the valve housing.

ACTUATORS

- A** = pneumatic actuator, double acting aluminium cylinder with hard chrome plated Fe shaft as manufacturers standard, steel cylinder or AISI piston rod on request
- ...**B** = equipped with manual override
- ...**N** = equipped with pneumatic positioner (0,2-1 bar):
PMV, Neles NP 700 series, others on request
- ...**K** = equipped with electro-pneumatic positioner (4-20 mA):
PMV, Neles NE 700 series, SMC, others on request
- ...**U** = equipped with pneumatic spring to close, on request fail to open operation
- ...**V** = pneumatic actuator with mechanical spring to close, single acting cylinder, on request fail to open operation

AUXILIARIES

- Q** = quick exhaust valves for pneumatic cylinder
- R** = inductive limits; Telemecanique XS1-N18 (DC 3W PNP), XS1-N18 (DC 3W NPN), XS1-M18(AC/DC 2W) or Neles NI 7211 (NAMUR), others on request
- S** = magnetic limits
- T** = mechanical limits: Telemecanique XCK-M102 or Neles NK 7201, others on request
- Z** = solenoid valve (5/2) for pneumatic actuator; Camozzi or Lucifer, others on request
- X** = other, must be specified separately



SAMPLE SPECIFICATION

ELECTRICALLY OPERATED LAROX® PINCH VALVES

Valves shall be with flanged joint ends and port areas shall be 100% of the pipe area. The elastomer sleeve shall be made from specified elastomer a one piece construction with integral flanges and shall be the only part in connection with the flowing medium. The flanges shall be drilled to the specified standard. The valve shall have face to face dimension of 165 mm to DN 65 size and $2\frac{1}{2}$ times the valve nominal bore in sizes larger than DN 65. The closing mechanism shall be operated by factory set and adjusted electro-mechanical actuator equipped with handwheel for emergency operation and shall be double acting and pinch the sleeve from opposite sides by two pinch bars squeezing the sleeve shut on centre line. Stem shall have metric trapezoidal Tr-thread and shall be made from Fe52C, AISI 304 or AISI 316. Valves for high pressure service or large diameter shall be equipped with bevel gears.

BODY TYPES

PV pinch valves are to be of the open body mechanical pinch type. Sleeve shall be visible in all positions of pinching.

PVE pinch valves are to be of the enclosed body mechanical pinch type. Sleeve shall be covered by the valve body having RCH 1000 bushings and PTFE sealings. There shall be a plug minimum of G $\frac{1}{2}$ " at the bottom of the valve housing. A gauge indicating pressure changes in the valve body shall be mounted upon request.

PVE/S pinch valves are to be of the sealed enclosed body mechanical pinch type. The enclosed valve shall be equipped with a fugitive emission package that includes the stem and body seals to provide a secondary containment of the fluid in the valve and leakage to the outside environment from the valve body.

PVS pinch valves are to be of the sealed body mechanical pinch type. The closing mechanism shall be non-rising and operated by two hydraulic cylinders and shall pinch the sleeve from opposite sides by two pinch bars squeezing the sleeve shut on centre line. Sleeve shall be covered by the valve body. There shall be a plug minimum of G $\frac{1}{2}$ " at the bottom of the valve housing.

ACTUATORS

- E** = electric actuator: Auma Norm SA-series, equipped with in-built limit switches
- EO** = electric Auma actuator for flow control
- EX** = electric actuator: Rotork IQ-series, on request equipped also with Folomatic, CPT or CTT

Standard voltage 400V-50 Hz, others on request.

AUXILIARIES

- X** = other, must be specified separately



SAMPLE SPECIFICATION

HYDRAULICALLY OPERATED LAROX[®] PINCH VALVES

Valves shall be with flanged joint ends and port areas shall be 100% of the pipe area. The elastomer sleeve shall be made from specified elastomer a one piece construction with integral flanges and shall be the only part in connection with the flowing medium. The flanges shall be drilled to the specified standard. The valve shall have face to face dimension of 165 mm to DN 65 size and 2½ times the valve nominal bore in sizes larger than DN 65. The closing mechanism shall be operated by hydraulic cylinder and shall be double acting and pinch the sleeve from opposite sides by two pinch bars squeezing the sleeve shut on centre line. The cylinder is to have a working pressure of minimum 150 bar and is equipped with pilot operated check valve as standard.

BODY TYPES

PV pinch valves are to be of the open body mechanical pinch type. Sleeve shall be visible in all positions of pinching.

PVE pinch valves are to be of the enclosed body mechanical pinch type. Sleeve shall be covered by the valve body having RCH 1000 bushings and PTFE sealings. There shall be a plug minimum of G ½” at the bottom of the valve housing. A gauge indicating pressure changes in the valve body shall be mounted upon request.

PVE/S pinch valves are to be of the sealed enclosed body mechanical pinch type. The enclosed valve shall be equipped with a fugitive emission package that includes the stem and body seals to provide a secondary containment of the fluid in the valve and leakage to the outside environment from the valve body.

PVS pinch valves are to be of the sealed body mechanical pinch type. The closing mechanism shall be non-rising and operated by two hydraulic cylinders and shall pinch the sleeve from opposite sides by two pinch bars squeezing the sleeve shut on centre line. Sleeve shall be covered by the valve body. There shall be a plug minimum of G ½” at the bottom of the valve housing.

ACTUATORS

- H** = hydraulic actuator equipped with pilot operated check valve, double acting Fe52 cylinder as manufacturers standard, AISI 316 on request
HP = equipped with electro-hydraulic positioner (4-20 mA)

AUXILIARIES

- R** = inductive limits; Telemecanique XS1-N18 (DC 3W PNP), XS1-N18 (DC 3W NPN), XS1-M18(AC/DC 2W) or Neles NI 7211 (NAMUR), others on request
T = mechanical limits: Telemecanique XCK-M102 or Neles NK 7201, others on request
X = other, must be specified separately