This valve is equipped with a pneumatic or electro-pneumatic actuator, so it can be integrated into simple automated systems.

Technical Characteristics

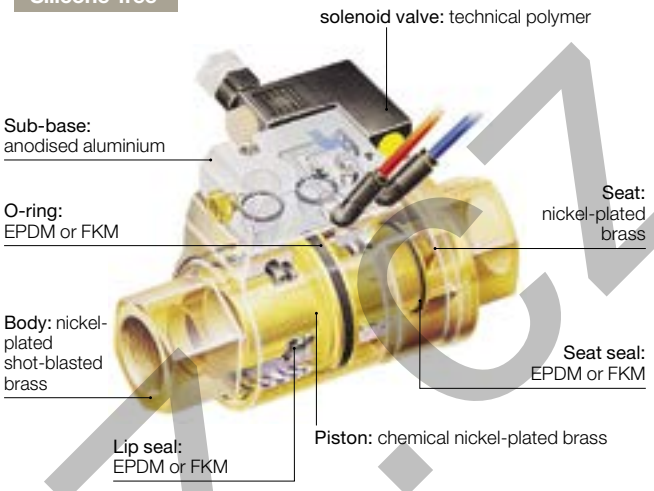
- **Compatible Fluids:** Compressed air, water, industrial fluids...
  Other fluids: please consult us
- **Working Pressure:** 10 bar max.
- **Pilot Pressure:** NC and NO: 4.2 to 8 bar
  Double-acting: 3 to 8 bar
- **Working Temperature:** -20°C to +150°C (suffix 20 FKM)
  -20°C to +150°C (suffix 30 EPDM)

Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.

Guaranteed for use with a vacuum of 740 mm Hg (97% vacuum).

Component Materials

Silicone-free

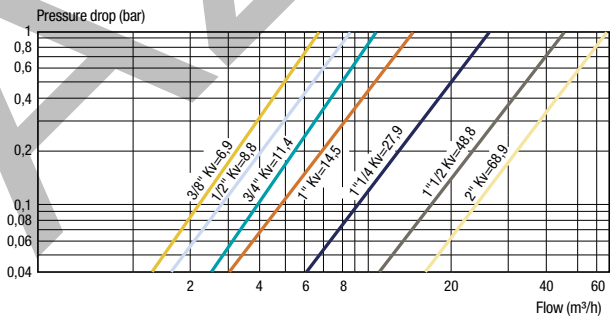


Advantages

- Very compact
- Simple to install: ready-to-use
- Two seal materials (FKM, EPDM) for a wider chemical and temperature range
- Pneumatic or electro-pneumatic
- Three versions: normally closed, normally open and double-acting

Flow Curve and Pressure Drop (Kv)

Kv in m³/h (ambient water temperature, under a differential pressure of 1 bar)



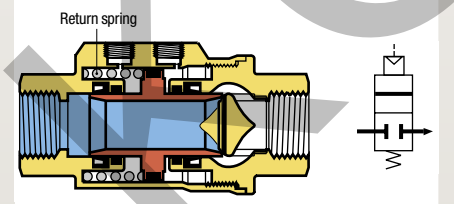
Regulations

- **PED**
- **REACH**
- **RoHS**

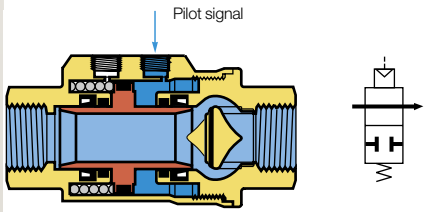
Operation

Depending on operational requirement, air is passed into the actuation chamber to open or close the valve.

Normally Closed Axial Valve (NC)

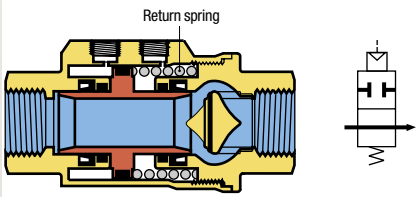


Rest State (valve closed)

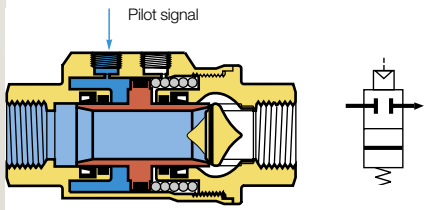


Piloted State (valve open)

Normally Open Axial Valve (NO)

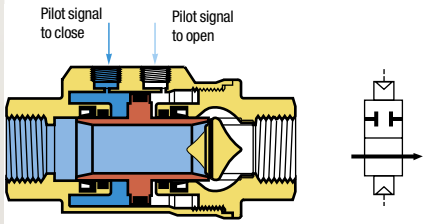


Rest State (valve open)



Piloted State (valve closed)

Double-Acting Axial Valve (DA)



Piloted State (valve closed)

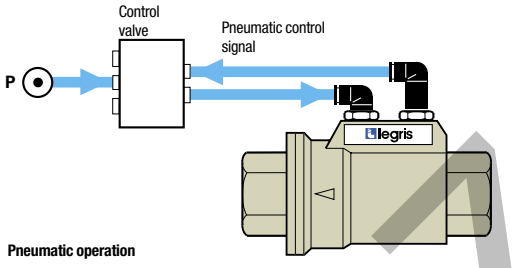
Installation Options

The Parker Legris axial valve offers 3 different control methods dependant on the requirements of the installation:

Pneumatic Control

Example: Double-acting axial valve 4222

- local compressed air control
- for repetitive on/off cycles
- remote control where access to the machine is difficult
- for explosive or explosion prevention areas

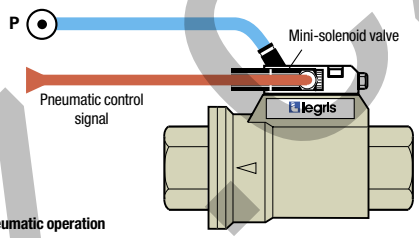


Pneumatic operation

Electro-Pneumatic Control

Example: Normally closed axial valve 4202 + sub-base and Mini-solenoid valve 4298

- for automated industrial systems requiring remote control
- Namur seating plane solenoid valve

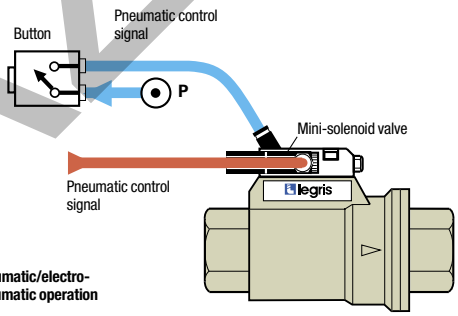


Electro-pneumatic operation

Dual Pneumatic and Electro-Pneumatic Control

Example: Normally open axial valve 4212 + sub-base and Mini-solenoid valve 4298 + Pneumatic push-button 4299

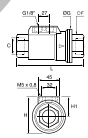
- dual control structure
- for increased safety: prevents localised operating errors
- Namur seating plane solenoid valve



Pneumatic/electro-pneumatic operation

4202..20 Normally Closed Axial Valve with FKM Seal, Female BSPP Thread

Nickel-plated brass, FKM

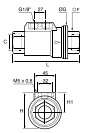


C		F	G	H	H1	L	Kg
G3/8	4202 10 17 20	22	46	54	31	98	0.834
G1/2	4202 15 21 20	27	52	60	35	112	1.075
G3/4	4202 20 27 20	33	64	70	38	135	1.624
G3/4	4202 20 27 30	33	64	70	38	135	1.606
G1	4202 25 34 20	41	69	76	41.5	143	2.033
G1 1/4	4202 32 42 20*	50	86	91	48	165	3.266
G1 1/2	4202 40 49 20*	60	96	102	54	180	4.195
G2	4202 50 48 20*	75	109	115	60.5	207	6.465

Pilot port: G1/8
Delivered with a silencer
*Models with EC marking

4202..30 Normally Closed Axial Valve with EPDM seal, Female BSPP Thread

Nickel-plated brass, EPDM

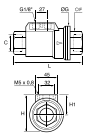


C		F	G	H	H1	L	Kg
G3/8	4202 10 17 30	22	46	54	31	98	0.818
G1/2	4202 15 21 30	27	52	60	35	112	1.071
G1	4202 25 34 30	41	69	76	41.5	143	2.013
G1 1/4	4202 32 42 30*	50	86	91	48	165	3.315
G1 1/2	4202 40 49 30*	60	96	102	54	180	4.195
G2	4202 50 48 30*	75	109	115	60.5	207	6.360

Pilot port: G1/8
Delivered with a silencer
*Models with EC marking

4212..20 Normally Open Axial Valve with FKM Seal, Female BSPP Thread

Nickel-plated brass, FKM

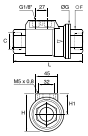


C		F	G	H	H1	L	Kg
G3/8	4212 10 17 20	22	46	54	31	98	0.824
G1/2	4212 15 21 20	27	52	60	35	112	1.096
G3/4	4212 20 27 20	33	64	70	38	135	1.637
G1	4212 25 34 20	41	69	76	41.5	143	2.025
G1 1/2	4212 40 49 20*	60	96	102	54	180	4.188
G2	4212 50 48 20*	75	109	115	60.5	207	6.555

Pilot port: G1/8
Delivered with a silencer
*Models with EC marking

4222..20 Double-Acting Axial Valve with FKM Seal, Female BSPP Thread

Nickel-plated brass, FKM

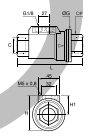


C		F	G	H	H1	L	Kg
G3/8	4222 10 17 20	22	46	54	31	98	0.802
G1/2	4222 15 21 20	27	52	60	35	112	1.042
G3/4	4222 20 27 20	33	64	70	38	135	1.571
G1	4222 25 34 20	41	69	76	41.5	143	1.942
G1 1/2	4222 40 49 20*	60	96	102	54	180	3.995
G2	4222 50 48 20*	75	109	115	60.5	207	6.275

Pilot port: G1/8
*Models with EC marking

4222..30 Double Acting Axial Valve with EPDM seal, Female BSPP Thread

Nickel-plated brass, EPDM

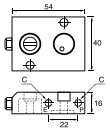


C		F	G	H	H1	L	Kg
G1/2	4222 15 21 30	27	52	60	35	112	1.046
G1 1/4	4222 32 42 30*	50	86	91	48	165	3.301

Pilot port: G1/8
*Models with EC marking

4298 Sub-Base for Solenoid Pilot Valve

Treated aluminium, NBR



C		Kg
M5x0.8	4298 00 01	0.095

The sub-base is fitted directly to the axial valve and alows the mounting of a 15x15 solenoid valve.
Supplied with 2 fixing bolts, silencer and seats.

4298 Mini-Solenoid Valve 1W/12VA

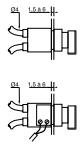
Anodized aluminium

	Voltage	Kg
4298 01 01	24V = CC*	0.051
4298 01 02	24V ~ CA**	0.058
4298 02 01	110V ~ CA**	0.051
4298 02 02	220V ~ CA**	0.054

*Direct current
**Alternating current

4299 Pneumatic Button

Nickel-plated brass, technical polymer



	Contact	Kg
4299 01 01		0.090

Bulkhead fixing hole diameter: Ø22 mm