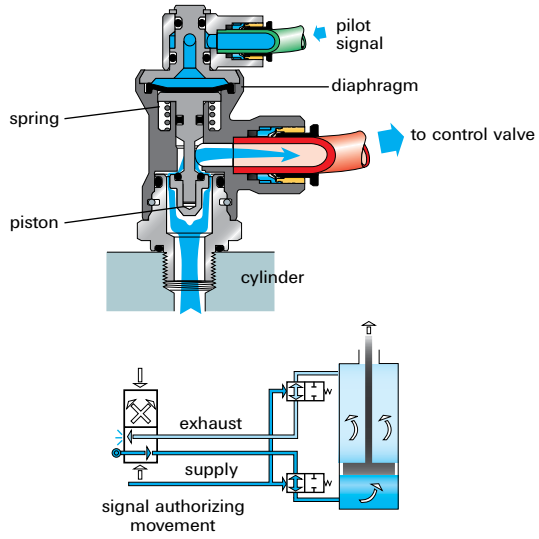
legris
connectic

pneumatic function valves

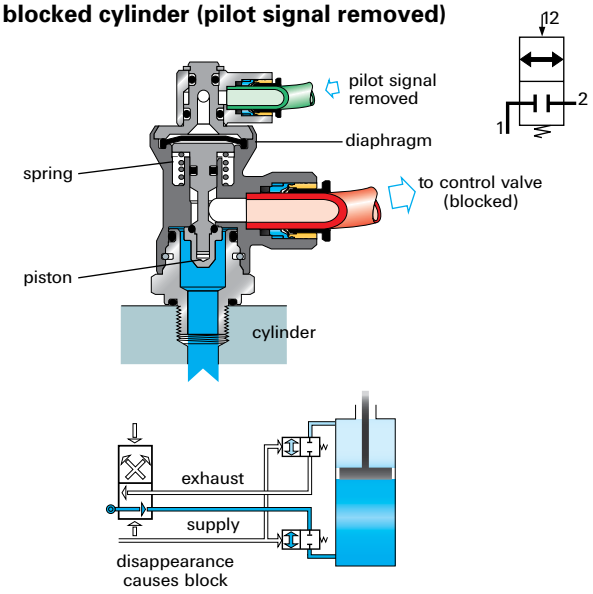
www.legris.com

lock-out valves "safety"

moving cylinder (active pilot signal)



blocked cylinder (pilot signal removed)



Designed to offer maximum flow capacity, Legris lock-out valves **lock the piston** by simultaneously cutting off the supply and exhaust air.

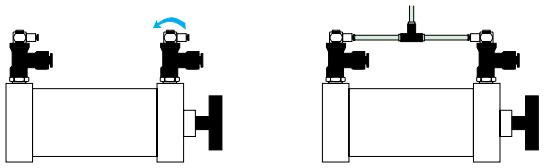
Functional locks are more precise and rapid when lock-out valves are located on the cylinder: the volume of air in the pipework no longer needs to be taken into consideration.

installation:

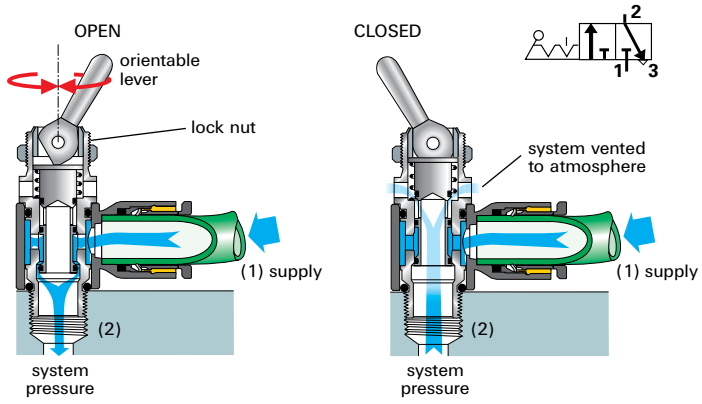
Mounted in pairs, lock-out valves are installed directly on the cylinder. As they can be fully swivelled, their use provides excellent flexibility in the design and installation of pneumatic circuits.

specifications:

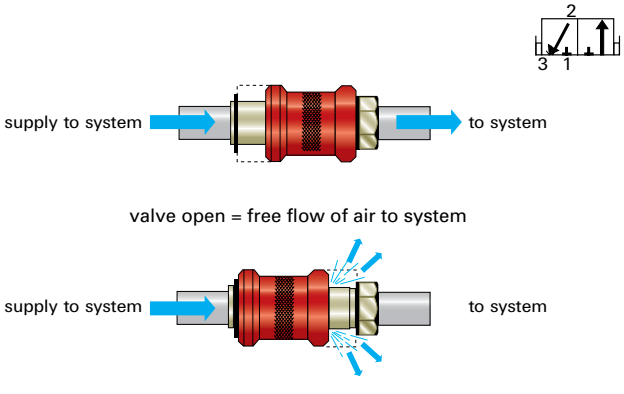
suitable fluid: compressed air
working pressure: 15 to 145 psi
working temperature: -4° to 160° F



manually operated 3-way venting valves "safety"



Examples with supply (1) - series 7805 - 7800



manually operated 3-way venting valves

Legris manual switch operated vent fitting guarantees immediate isolation of the air line by venting the system to atmosphere by a simple manual operation of the lever. Easy to operate, it can be used whenever the system has to be frequently vented. Completely orientable, a number of valves can be mounted side by side, even in reduces spaces. The sub-base seal and push-in connection outlet allow immediate installation.

specifications:

suitable fluid: compressed air
maximum working pressure: 230 psi
working temperature: 15° to 175° F

pneumatic slide valves:

Pneumatic slide valves may be used to **effect isolation of the air line by venting the system to atmosphere.**

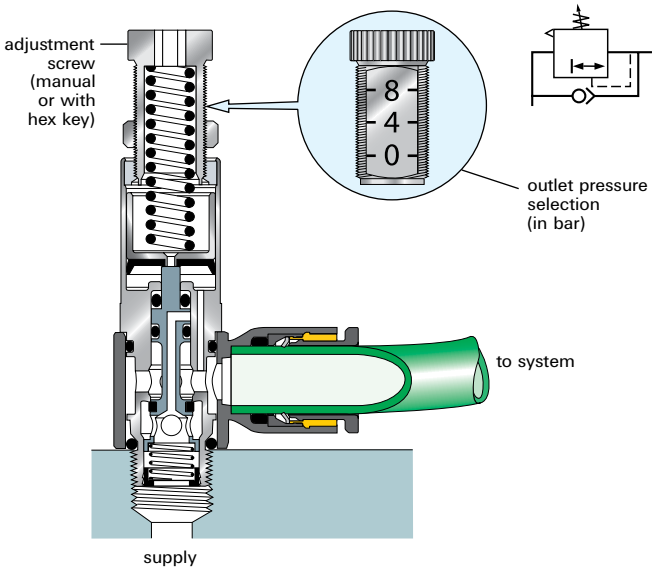
Their in-line configuration allows compact mounting directly into the pipework.

specifications:

suitable fluid: compressed air
maximum working pressure: 230 psi
working temperature: 15° to 175° F

pressure regulator fittings

"energy efficient"



Legris pressure regulator fittings are used to stabilize the pressure at a given value that is applied to pneumatic equipment, whatever the fluctuations of pressure upstream. The pressure outlet is fully controlled by an adjustment screw: to assist pressure selection, the screw is calibrated showing pressure setting levels.

Depending on the application, they may be mounted:

- between the cylinder and the control valve, for reduced pressure in one direction.
- on the control valve, for reduced pressure in both directions.
- on the cylinder to manually adjust its operating force.

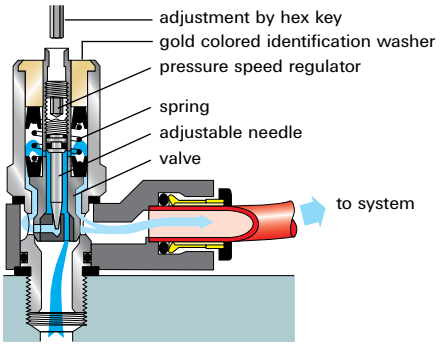
specifications:

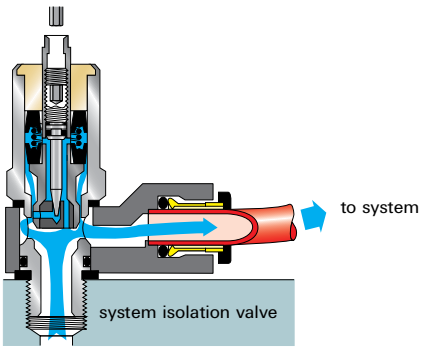
suitable fluid:	compressed air
working pressure:	input pressure: 15 to 230 psi regulated pressure: 15 to 115 psi
working temperature:	15° to 160° F

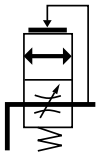
pneumatic slow start valves

"safety"

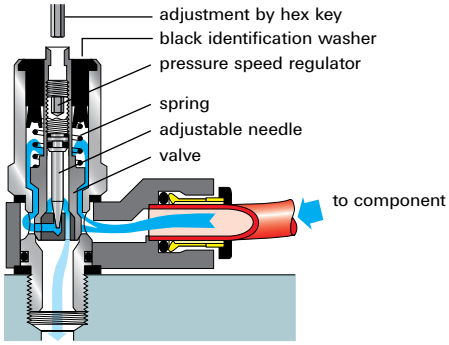
7860-7861-7864

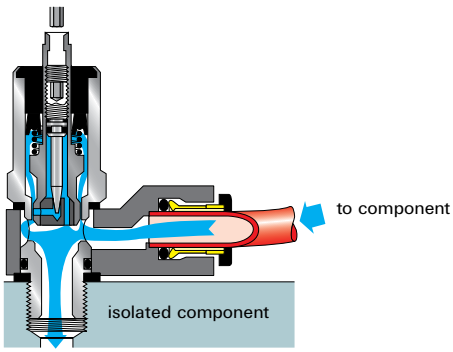


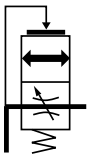




7870-7871-7874







Pneumatic slow start valves allow air pressure to **gradually increase.**

They prevent shocks to any pneumatic system: each cylinder thus protected gradually returns to the position it stopped at when the system was vented.

Mounted on the F.R.L. outlet, they protect the whole downsteam installation (7860/7861/7864 type).

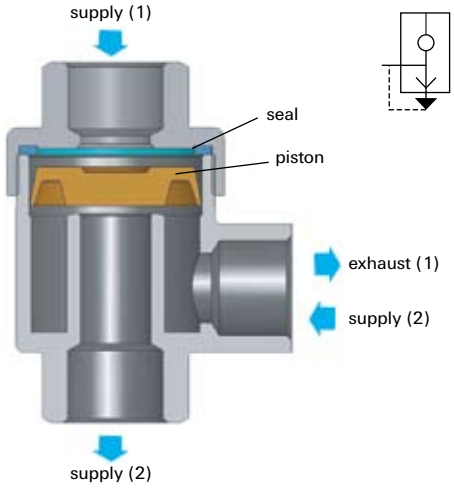
Mounted to the supply port of the control valve or the common supply line of several associated valves, they control all designated cylinders (7870/7871/7874 type).

specifications:

suitable fluid: compressed air
working pressure: 40 to 150 psi
working temperature: 5° to 140° F

quick exhaust valve

"safety"



The new **Legris Quick Exhaust Valves** can be used in all pneumatic equipment. It drastically increases **system efficiency** and the **speed of a cylinder** by purging cylinder exhaust air at the cylinder port rather than the control valve.

supply (1) - the system pressure is applied to the inlet port, flow is directed to the cylinder port.

supply (2) - the supply (1) is dropped, exhaust air in the cylinder is discharged directly from the exhaust (2) port of the valve.

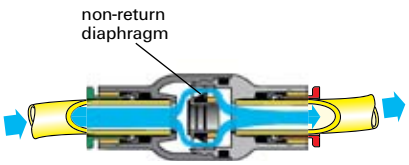
Immediate Installation
Easy To Use
Complete Safety

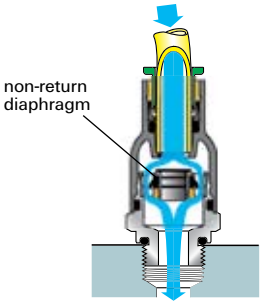
specifications:

working fluid:	compressed air
working pressure:	10 to 150 psi
working temperature:	0º to 160º F
materials of construction	
body:	nickel-plated brass
seal:	nylon
piston:	polyurethane

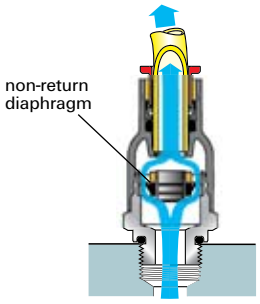
check valves

"safety"





meter in version - green button
(models 7984-7985)



meter out version - red button
(models 7994-7995)

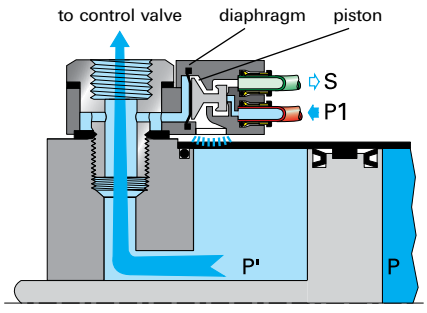
Legris in-line check valves allow air to pass in one direction while blocking flow in the other direction. **A pressure of more than 7 psi will overcome the spring pressure,** which is keeping the valve closed, thus allowing the passage of air. If the pressure differential is lower than 3.6 psi the passage is blocked.

specifications:

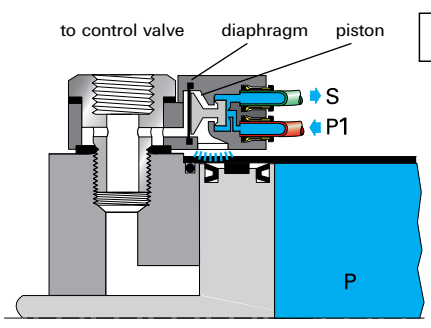
suitable fluid: compressed air
working pressure: 15 to 145 psi
working temperature: 30° to 160° F

pneumatic threshold sensors

"safety"



P' : exhaust pressure
P : system pressure
P1: supply pressure for sensor
S : output signal



Legris threshold sensors **detect pressure drops** and are generally used to detect the end-of travel of a cylinder. They produce an end-of-stroke signal, pneumatic or electric, when the exhaust back pressure in the cylinder disappears.

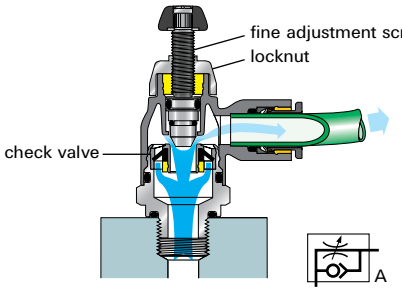
They can be mounted on the cylinder or on the control valve.

specifications:

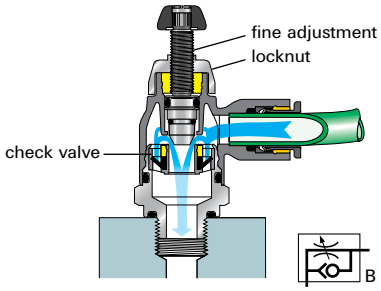
suitable fluid: compressed air
working temperature: 5° to 140° F
working pressure: 45 to 115 psi
breaking pressure: 7 to 8.5 psi
response time: 3 ms

flow control regulators

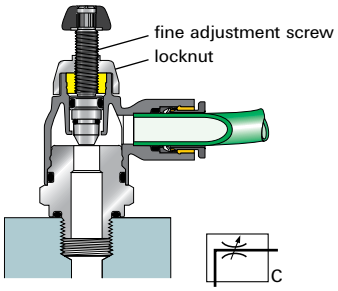
meter out version



meter in version



bi-directional version



Legris flow control regulators **control the speed of a pneumatic cylinder**. In the one-way version, the exhaust or inlet air flow is controlled by an adjustable restrictor. The inlet or exhaust flow is unrestricted full bore. In a bi-directional version, they control air supply in both exhaust and supply flow. Depending upon the model, Legris flow regulators may be fitted on the cylinder or in the compressed air line. However, flow regulation (and therefore cylinder control speed) is more precise and constant when positioned near the cylinder.

In this way, it is possible to avoid the elastic effect of the compressed air contained in the pipework between the control valve and cylinder.

Direct mounting of the banjo flow regulator fitting onto the cylinder is therefore the optimum solution.

specifications:

suitable fluid: compressed air
working pressure: 15 to 145 psi
working temperature: 30° to 160° F

the large range of Legris flow control regulators answers the specific needs of modern pneumatic applications

Which material?

- for **standard** applications →  models in ***glass reinforced nylon***
- for use in **severe conditions** →  models in ***metal***
- for use in **severe conditions** →  models in ***stainless steel***

Which type of fitting?

- for connection to the **cylinder or threaded control valve** →  models *with NPT, UNF, BSP parallel and metric, BSP taper* ***threads***
- for connection to a **cylinder or manifold fitted with cartridge connections** →  ***plug-in*** models

Compact or miniature?

- for **standard** applications requiring **full flow performance** →  ***compact*** models
- for **very small sized cylinders** requiring precise and accurate adjustment →  ***miniature*** models

Which type of adjustment?

- for **manual adjustment** with locking nut guaranteeing **stability of adjustment** →  models with ***external screw***
- for **adjustment with screwdriver** and prevention of unwanted adjustment →  ***knobless*** models

Which configuration?

- for **standard** applications →  ***90 degree*** models
- for **vertical or angled tube exit** →  ***swivel outlet*** models
- where **cylinder access is difficult** or where another function valve is attached to the cylinder port →  ***in-line*** models

Our production process includes manufactured dating for all flow control regulators. This guarantees their quality and traceability.

lock-out valves

with instant fitting

7885 NPT

ØD(in)	C	
1/4	1/8	7885 56 11
1/4	1/4	7885 56 14
3/8	3/8	7885 60 18
1/2	1/2	7885 62 22

7880 BSP parallel

ØD(mm)	C	
6	G1/8	7880 06 10
6	G1/4	7880 06 13
8	G1/4	7880 08 13
8	G3/8	7880 08 17
10	G3/8	7880 10 17
12	G1/2	7880 12 21

7885 BSP taper

ØD(mm)	C	
6	R1/8	7885 06 10
6	R1/4	7885 06 13
8	R1/4	7885 08 13
8	R3/8	7885 08 17
10	R3/8	7885 10 17
12	R1/2	7885 12 21

Visual identification of different threads

7885 56 14 = NPT
7880 06 13 = BSP parallel
7885 06 13 = BSP taper

with threaded fitting

7886 NPT

C1	C2	
1/8	1/8	7886 11 11
1/4	1/4	7886 14 14
3/8	3/8	7886 18 18
1/2	1/2	7886 22 22

7881 BSP parallel

C1	C2	
G1/4	G1/8	7881 13 10
G1/4	G1/4	7881 13 13
G3/8	G3/8	7881 17 17
G1/2	G1/2	7881 21 21

7886 BSP taper

C1	C2	
R1/4	R1/8	7886 13 10
R1/4	R1/4	7886 13 13
R3/8	R3/8	7886 17 17
R1/2	R1/2	7886 21 21

check valves

in-line

7996 for inch tube

ØD(in)	
5/32	7996 04 00
1/4	7996 56 00
5/16	7996 08 00
3/8	7996 60 00

for metric tube

ØD(mm)	
4	7996 04 00
6	7996 06 00
8	7996 08 00
10	7996 10 00
12	7996 12 00

4895 stainless steel - unidirectional, double-female

NPT C	
1/8	4895 11 11
1/4	4895 14 14
3/8	4895 18 18
1/2	4895 22 22

BSP version is also available

Visual identification of different threads

7995 04 11 = NPT/UNF
7984 08 10 = BSP parallel
7985 06 13 = BSP taper

with threaded fitting

7984-7994-7985-7995 NPT and UNF

ØD(in)	C	Meter Out	Meter In
5/32	10-32	7994 04 20	7984 04 20
5/32	1/8	7995 04 11	7985 04 11
1/4	1/8	7995 56 11	7985 56 11
1/4	1/4	7995 56 14	7985 56 14
3/8	1/4	7995 60 14	7985 60 14
3/8	3/8	7995 60 18	7985 60 18

7984-7994 BSP parallel and metric

ØD(mm)	C	Meter Out	Meter In
4	M5	7994 04 19	7984 04 19
4	G1/8	7994 04 10	7984 04 10
6	G1/8	7994 06 10	7984 06 10
6	G1/4	7994 06 13	7984 06 13
8	G1/8	7994 08 10	7984 08 10
8	G1/4	7994 08 13	7984 08 13
10	G3/8	7994 10 17	7984 10 17
12	G3/8	7994 12 17	7984 12 17
12	G1/2	7994 12 21	7984 12 21

7985-7995 BSP taper

ØD(mm)	C	Meter Out	Meter In
4	R1/8	7995 04 10	7985 04 10
6	R1/8	7995 06 10	7985 06 10
6	R1/4	7995 06 13	7985 06 13
8	R1/8	7995 08 10	7985 08 10
8	R1/4	7995 08 13	7985 08 13
10	R3/8	7995 10 17	7985 10 17
12	R3/8	7995 12 17	7985 12 17
12	R1/2	7995 12 21	7985 12 21

Meter in version - green button
Meter out version - red button

flow control regulators – nylon version

A B C

miniature

7660-7665-7668-7669 UNF and NPT

ØD	C	Meter Out (A)	Meter In (B)
1/8	10-32	7660 53 20	7669 53 20
1/8	1/8	7665 53 11	
5/32	10-32	7660 04 20	7669 04 20
5/32	1/8	7665 04 11	7668 04 11
1/4	10-32	7660 56 20	7669 56 20
1/4	1/8	7665 56 11	7668 56 11
1/4	1/4	7665 56 14	7668 56 14

7660-7662-7669 BSP parallel and metric

ØD	C	Meter Out (A)	Meter In (B)	Bi-directional (C)
3	M3x0.5	7660 03 09	7669 03 09	
3	M5x0.8	7660 03 19	7669 03 19	
4	M5x0.8	7660 04 19	7669 04 19	7662 04 19
4	G1/8	7660 04 10	7669 04 10	7662 04 10
6	M5x0.8	7660 06 19	7669 06 19	7662 06 19
6	G1/8	7660 06 10	7669 06 10	7662 06 10
6	G1/4	7660 06 13	7669 06 13	7662 06 13
8	G1/8	7660 08 10	7669 08 10	
8	G1/4	7660 08 13	7669 08 13	
8	G3/8	7660 08 17	7669 08 17	

7665-7668 BSP taper

ØD	C	Meter Out (A)	Meter In (B)
4	R1/8	7665 04 10	7668 04 10
6	R1/8	7665 06 10	7668 06 10
6	R1/4	7665 06 13	7668 06 13
6	R3/8	7665 06 17	
8	R1/8	7665 08 10	7668 08 10
8	R1/4	7665 08 13	7668 08 13
8	R3/8	7665 08 17	7668 08 17

7620-7625 knobless, UNF and NPT

ØD(in)	C	Meter Out (A)
1/8	10-32	7620 53 20
1/8	1/8	7625 53 11
5/32	10-32	7620 04 20
5/32	1/8	7625 04 11
1/4	10-32	7620 56 20
1/4	1/8	7625 56 11
1/4	1/4	7625 56 14

7630-7631 plug-in, for inch tube

ØD	Meter Out (A)	Meter In (B)
1/8	7630 53 00	7631 53 00
5/32	7630 04 00	7631 04 00
1/4	7630 56 00	7631 56 00

plug-in, for metric tube

ØD	Meter Out (A)	Meter In (B)
4	7630 04 00	7631 04 00
6	7630 06 00	7631 06 00

7640-7645 swivel outlet, UNF and NPT

ØD	C	Meter Out (A)
5/32	10-32	7640 04 20
5/32	1/8	7645 04 11

7640-7649 swivel outlet, BSP parallel and metric

ØD	C	Meter Out (A)	Meter in (B)
4	M5x0.8	7640 04 19	7649 04 19
4	G1/8	7640 04 10	7649 04 10
6	M5x0.8	7640 06 19	7649 06 19
6	G1/8	7640 06 10	7649 06 10

7645 swivel outlet, BSP taper

ØD	C	Meter Out (A)
4	R1/8	7645 04 10
6	R1/8	7645 06 10

compact

7065-7066-7067 NPT

ØD	C	Meter Out (A)	Meter In (B)	Bi-directional (C)
5/32	1/8	7065 04 11	7066 04 11	7067 04 11
5/32	1/4	7065 04 14	7066 04 14	
1/4	1/8	7065 56 11	7066 56 11	7067 56 11
1/4	1/4	7065 56 14	7066 56 14	7067 56 14
3/8	1/4	7065 60 14		
3/8	3/8	7065 60 18		

7060-7061-7062 BSP parallel

ØD	C	Meter Out (A)	Meter In (B)	Bi-directional (C)
4	G1/8	7060 04 10	7061 04 10	7062 04 10
6	G1/8	7060 06 10	7061 06 10	7062 06 10
6	G1/4	7060 06 13	7061 06 13	7062 06 13
8	G1/8	7060 08 10	7061 08 10	7062 08 10
8	G1/4	7060 08 13	7061 08 13	7062 08 13
8	G3/8	7060 08 17	7061 08 17	7062 08 17
10	G1/4	7060 10 13	7061 10 13	
10	G3/8	7060 10 17	7061 10 17	
12	G3/8	7060 12 17		
12	G1/2	7060 12 21	7061 12 21	

7065-7066-7067 BSP taper

ØD	C	Meter Out (A)	Meter In (B)	Bi-directional (C)
4	R1/8			7067 04 10
6	R1/8	7065 06 10		7067 06 10
6	R1/4			7067 06 13
8	R1/8	7065 08 10		7067 08 10
8	R1/4	7065 08 13		7067 08 13
8	R3/8			7067 08 17
10	R1/4	7065 10 13	7066 10 13	
10	R3/8	7065 10 17	7066 10 17	
10	R1/2	7065 10 21	7066 10 21	
12	R1/4	7065 12 13	7066 12 13	
12	R3/8	7065 12 17	7066 12 17	
12	R1/2	7065 12 21	7066 12 21	

7030-7031 plug-in, metric tube

ØD	Meter Out (A)	Meter In (B)
6	7030 06 00	7031 06 00
8	7030 08 00	7031 08 00
10	7030 10 00	7031 10 00
12	7030 12 00	7031 12 00

7045 swivel outlet, NPT

ØD	C	Meter Out (A)
1/4	1/8	7045 56 11
1/4	1/4	7045 56 14
3/8	1/4	7045 60 14
3/8	3/8	7045 60 18

7040-7041 swivel outlet, BSP parallel

ØD	C	Meter Out (A)	Meter In (B)
6	G1/8	7040 06 10	
6	G1/4	7040 06 13	7041 06 13
8	G1/8	7040 08 10	7041 08 10
8	G1/4	7040 08 13	7041 08 13
8	G3/8	7040 08 17	
10	G1/4	7040 10 13	
10	G3/8	7040 10 17	
12	G3/8	7040 12 17	
12	G1/2	7040 12 21	

7045 swivel outlet, BSP taper

ØD	C	Meter Out (A)
6	R1/4	7045 06 13
8	R1/8	7045 08 10
8	R1/4	7045 08 13
8	R3/8	7045 08 17
10	R1/4	7045 10 13
10	R3/8	7045 10 17
12	R3/8	7045 12 17
12	R1/2	7045 12 21

flow control regulators – nylon version

A B C

knobless compact

7010-7011-7015-7016 UNF and NPT

ØD	C	Meter Out (A)	Meter In (B)
1/8	10-32	7010 53 20	
1/8	1/8	7015 53 11	
5/32	10-32	7010 04 20	7011 04 20
5/32	1/8	7015 04 11	7016 04 11
1/4	10-32	7010 56 20	7011 56 20
1/4	1/8	7015 56 11	7016 56 11
1/4	1/4	7015 56 14	7016 56 14
5/16	1/8	7015 08 11	
5/16	1/4	7015 08 14	
3/8	1/4	7015 60 14	
3/8	3/8	7015 60 18	

7010-7011-7012 BSP parallel and metric

ØD	C	Meter Out (A)	Meter In (B)	Bi-directional (C)
4	M5x0.8	7010 04 19	7011 04 19	7012 04 19
4	G1/8	7010 04 10	7011 04 10	7012 04 10
6	M5x0.8	7010 06 19	7011 06 19	7012 06 19
6	G1/8	7010 06 10	7011 06 10	7012 06 10
6	G1/4	7010 06 13	7011 06 13	7012 06 13
8	G1/8	7010 08 10	7011 08 10	7012 08 10
8	G1/4	7010 08 13	7011 08 13	7012 08 13
8	G3/8	7010 08 17	7011 08 17	7012 08 17
10	G1/4	7010 10 13	7011 10 13	
10	G3/8	7010 10 17	7011 10 17	
10	G1/2	7010 10 21		
12	G3/8	7010 12 17		
12	G1/2	7010 12 21		

in-line

7770-7772 for inch tube

ØD	One-way	Bi-directional
5/32	7770 04 00	7772 04 00
1/4	7770 56 00	7772 56 00
5/16	7770 08 00	7772 08 00
3/8	7770 60 00	
1/2	7770 62 00	

for metric tube

ØD	One-way	Bi-directional
4	7770 04 00	7772 04 00
6	7770 06 00	7772 06 00
8	7770 08 00	7772 08 00
10	7770 10 00	
12	7770 12 00	

7776 panel mountable, for metric tube

ØD	One-way
4	7776 04 00
6	7776 06 00
8	7776 08 00
10	7776 10 00
12	7776 12 00

7771-7775 with threaded fitting, NPT or BSP parallel

C (NPT)	One-way	C (BSPP)	One-way
1/8	7775 11 11	G1/8	7771 10 10
1/4	7775 14 14	G1/4	7771 13 13
3/8	7775 18 18	G3/8	7771 17 17
1/2	7775 22 22	G1/2	7771 21 21

flow control regulators – metal version

A B

7105 push-to-connect port, NPT

ØD	C	Meter Out (A)
5/32	1/8	7105 04 11
1/4	1/8	7105 56 11
1/4	1/4	7105 56 14
3/8	1/4	7105 60 14
3/8	3/8	7105 60 18

7100-7101 push-to-connect port, BSP parallel

ØD	C	Meter Out (A)	Meter In (B)
4	G1/8	7100 04 10	7101 04 10
6	G1/8	7100 06 10	7101 06 10
6	G1/4	7100 06 13	7101 06 13
8	G1/8	7100 08 10	7101 08 10
8	G1/4	7100 08 13	7101 08 13
8	G3/8	7100 08 17	7101 08 17
10	G1/4	7100 10 13	
10	G3/8	7100 10 17	
12	G3/8	7100 12 17	
12	G1/2	7100 12 21	
14	G1/2	7100 14 21	

7115 threaded port, NPT

C	Meter Out (A)
1/8	7115 11 11
1/4	7115 14 14
3/8	7115 18 18
1/2	7115 22 22

7110-7111 threaded port, BSP parallel

C	Meter Out (A)	Meter In (B)
G1/8	7110 10 10	7111 10 10
G1/4	7110 13 13	7111 13 13
G3/8	7110 17 17	
G1/2	7110 21 21	

7160 knobless with universal brass compression fitting, BSP parallel

ØD	C	Meter Out (A)
4	G1/8	7160 04 10
6	G1/8	7160 06 10
6	G1/4	7160 06 13
8	G1/8	7160 08 10
8	G1/4	7160 08 13
10	G1/4	7160 10 13
10	G3/8	7160 10 17
10	G1/2	7160 10 21
12	G3/8	7160 12 17
12	G1/2	7160 12 21

Quick identification of Legris flow control regulators

To assist differentiation, each version is identified by the corresponding pneumatic symbol and a letter :

- **one-way** adjustment
  - **meter out** version : letter **A**
  - **meter in** version : letter **B**
- **bi-directional** adjustment : letter **C**

pneumatic threshold sensor fittings

with push-to-connect fitting

7818-7808 UNF and NPT

ØD	C	
5/32	10-32	7818 04 20
5/32	1/8	7808 04 11
5/32	1/4	7808 04 14
5/32	3/8	7808 04 18
5/32	1/2	7808 04 22

7818 BSP parallel and metric

ØD	C	
4	M5x0.8	7818 04 19
4	G1/8	7818 04 10
4	G1/4	7818 04 13
4	G3/8	7818 04 17
4	G1/2	7818 04 21

7828/7829 electric, UNF and NPT

C	
10-32	7828 00 20
1/8	7829 00 11
1/4	7829 00 14
3/8	7829 00 18
1/2	7829 00 22

7828 electric, BSP parallel and metric

C	
M5x0.8	7828 00 19
G1/8	7828 00 10
G1/4	7828 00 13
G3/8	7828 00 17
G1/2	7828 00 21

with threaded fitting

7808 NPT

Pilot Port	C	
10-32	1/8	7808 20 11
10-32	1/4	7808 20 14
10-32	3/8	7808 20 18

7818 BSP parallel and metric

Pilot Port	C	
M5	M5x0.8	7818 19 19
M5	G1/8	7818 19 10
M5	G1/4	7818 19 13
M5	G3/8	7818 19 17
M5	G1/2	7818 19 21

Visual identification of different threads

7808 04 11 = NPT/UNF

7818 04 10 = BSP parallel

flow control regulators - stainless steel

7810/7815/7812/7817 UNF and NPT

C	meter out	bi-directional
10/32	7810 20 20	7812 20 20
1/8	7815 11 11	7817 11 11
1/4	7815 14 14	7817 14 14
3/8	7815 18 18	7817 18 18
1/2	7815 22 22	7817 22 22

7835 NPT

ØD	C	meter out
5/32	1/8	7835 04 11
5/32	1/4	7835 04 14
1/4	1/8	7835 56 11
1/4	1/4	7835 56 14
3/8	1/4	7835 60 14
3/8	3/8	7835 60 18

quick exhaust valve - nickel plated brass

7982 NPT

C	
1/8	7982 11 11
1/4	7982 14 14
3/8	7982 18 18
1/2	7982 22 22

pneumatic function valves

manual operated valves

7805-7806

manually operated 3-way venting valve push-to-connect port, NPT

ØD	C	Supply (1)	Supply (2)
5/32	1/8	7805 04 11	7806 04 11
1/4	1/8	7805 56 11	7806 56 11
1/4	1/4	7805 56 14	7806 56 14
3/8	1/4	7805 60 14	7806 60 14

7800-7801

manually operated 3-way venting valve push-to-connect port, BSP parallel

ØD	C	Supply (1)	Supply (2)
4	M5x0.8	7800 04 19	7801 04 19
4	G1/8	7800 04 10	7801 04 10
6	M5x0.8	7800 06 19	7801 06 19
6	G1/8	7800 06 10	7801 06 10
6	G1/4	7800 06 13	7801 06 13
8	G1/8	7800 08 10	7801 08 10
8	G1/4	7800 08 13	7801 08 13
10	G1/4	7800 10 13	7801 10 13

Visual identification of different threads

7805 56 14 = NPT

7800 06 13 = BSP parallel

0661

pneumatic slide valves, male/female, NPT

ⓘD (in)	C	
.16	1/8	0661 04 11
.27	1/4	0661 07 14
.39	3/8	0661 10 18
.55	1/2	0661 14 22

0660

pneumatic slide valves, double female, NPT

ⓘD (in)	C	
.16	1/8	0660 04 11
.27	1/4	0660 07 14
.39	3/8	0660 10 18
.55	1/2	0660 14 22

0669

pneumatic slide valves, double female, BSP parallel

ⓘD (mm)	C	
2	M5x0.8	0669 02 19
4	G1/8	0669 04 10
7	G1/4	0669 07 13
10	G3/8	0669 10 17
14	G1/2	0669 14 21
19	G3/4	0669 19 27

tubing

Pneumatic push-to-connect function valves with an LF3000 port, can be used with various types of Legris tubing:

- **semi-rigid close tolerance nylon tubing,** available in 7 colors for 1/8" to 1/2" O.D. in 100 ft, 500 ft, & 1000 ft. rolls; 3 mm to 16 mm O.D., supplied in 25 m and 100 m rolls
- **flexible close tolerance polyurethane tubing,** available in 7 colors for 1/8" to 1/2" O.D. in 100 ft, 500 ft, & 1000 ft. rolls; 3 mm to 14 mm O.D., supplied in 25 m and 100 m rolls
- **low density polyethylene tubing** : available in 1/8" to 1/2" O.D. in 100 ft, 250 ft, & 500 ft. rolls and 4 mm to 12 mm O.D. in 25 m rolls
- **close tolerance fluoropolymer FEP 140 tubing** : 1/8" to 1/2" O.D. in 25 ft. & 100 ft. rolls; 4 mm to 12 mm O.D., supplied in 5 m and 25 m rolls

www.legris.com

pressure regulator fittings

7305

NPT

ØD	C	
5/32	1/8	7305 04 11
1/4	1/8	7305 56 11
1/4	1/4	7305 56 14
3/8	1/4	7305 60 14

7300

BSP parallel

ØD	C	
4	G1/8	7300 04 10
6	G1/8	7300 06 10
6	G1/4	7300 06 13
8	G1/8	7300 08 10
8	G1/4	7300 08 13
8	G3/8	7300 08 17
10	G1/4	7300 10 13
10	G3/8	7300 10 17

pneumatic slow start valves

with instant fitting

7860-7870

BSP parallel

ØD	C	System Version	Component Version
8	G1/4	7860 08 13	7870 08 13
10	G1/4	7860 10 13	7870 10 13
10	G3/8	7860 10 17	7870 10 17
12	G3/8	7860 12 17	
12	G1/2	7860 12 21	

Visual identification of different threads

7864 14 14 = NPT

7860 10 17 = BSP parallel

with threaded fitting

7864-7874

NPT

C	System Version	Component Version
1/4	7864 14 14	7874 14 14
3/8	7864 18 18	7874 18 18

7861-7871

BSP parallel

C	System Version	Component Version
G1/4	7861 13 13	7871 13 13
G3/8	7861 17 17	7871 17 17
G1/2	7861 21 21	

mini ball valves

7913

3/2, with vent, with push-to-connect ports for inch tube

ØD (in)	
5/32	7913 04 00
1/4	7913 56 00
5/16	7913 08 00
3/8	7913 60 00
for metric tube	
ØD (mm)	
4	7913 04 00
6	7913 06 00
8	7913 08 00
10	7913 10 00
12	7913 12 00

Animation of function valves available on www.legris.com under...

- **Learning Space**
- **Connection Techniques**

Download CAD drawings from the online catalog.

7915

3/2, with vent, with male NPT and push-to-connect ports

ØD (in)	C	
5/32	1/8	7915 04 11
1/4	1/8	7915 56 11
1/4	1/4	7915 56 14
5/16	1/4	7915 08 14
5/16	3/8	7915 08 18
3/8	1/4	7915 60 14
3/8	3/8	7915 60 18

BSP version is also available

7910

2/2, with push-to-connect ports for inch tube

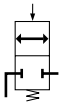
ØD (in)	
5/32	7910 04 00
1/4	7910 56 00
5/16	7910 08 00
3/8	7910 60 00
for metric tube	
ØD (mm)	
4	7910 04 00
6	7910 06 00
8	7910 08 00
10	7910 10 00
12	7910 12 00

symbols of pneumatic function valves

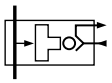
regulating
air flow

exhausting system
and **controlling** pneumatic
circuit supply

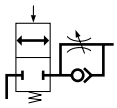
controlling
air circulation



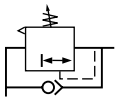
detecting
pressure drop



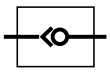
controlling
and **regulating** air flow



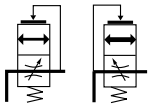
regulating
pressure by stabilizing
at a required value



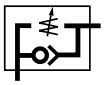
controlling
the passage of fluid in one direction
and non-return in the other



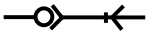
progressive
pressurizing of circuits



reducing
pressure supply



isolate a circuit
without venting the whole
installation



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