

# pneumatic function fittings



# blocking fittings

## with push-in connection

7880

BSP parallel

| ØD | 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 | 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 |

7885

NPT

| ØD  | 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 |

7883

with flow regulator and instant fitting  
BSP parallel

| ØD | C    |            |
|----|------|------------|
| 4  | G1/8 | 7883 04 10 |
| 6  | G1/8 | 7883 06 10 |
| 6  | G1/4 | 7883 06 13 |
| 8  | G1/4 | 7883 08 13 |

## with threaded connection

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 |

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 |

Visual identification of different threads

7880 06 13 = BSP parallel

7885 06 13 = BSP taper

7885 56 14 = NPT

# non-return valves

## in-line

7996

for metric tube

| ØD |            |
|----|------------|
| 4  | 7996 04 00 |
| 6  | 7996 06 00 |
| 8  | 7996 08 00 |
| 10 | 7996 10 00 |
| 12 | 7996 12 00 |

for inch tube

| ØD   |            |
|------|------------|
| 5/32 | 7996 04 00 |
| 1/4  | 7996 56 00 |
| 5/16 | 7996 08 00 |
| 3/8  | 7996 60 00 |

## with threaded connection

7984-7994

BSP parallel and metric

| ØD | C      | exhaust flow | supply flow |
|----|--------|--------------|-------------|
| 4  | M5x0,8 | 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 | C    | exhaust flow | supply flow |
|----|------|--------------|-------------|
| 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  |

7984-7994-7985-7995 NPT and UNF

| ØD   | C     | exhaust flow | supply flow |
|------|-------|--------------|-------------|
| 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  |

# flow control regulators – polymer version

## miniature

### 7660-7662-7669

#### BSP parallel and metric

| ØD | C      | Exhaust (A) | Supply (B) | Bi-directional (C) |
|----|--------|-------------|------------|--------------------|
| 3  | M3x0,5 | 7660 03 09  | 7669 03 09 |                    |
| 3  | M5x0,8 | 7660 03 19  | 7669 03 19 |                    |
| 4  | M3x0,5 | 7660 04 09  |            |                    |
| 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    | Exhaust (A) | Supply (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 |

### 7660-7665-7668-7669 UNF and NPT

| ØD   | C     | Exhaust (A) | Supply (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 |

### 7630-7631

#### plug-in, for metric tube

| ØD | Exhaust (A) | Supply (B) |
|----|-------------|------------|
| 4  | 7630 04 00  | 7631 04 00 |
| 6  | 7630 06 00  | 7631 06 00 |

#### plug-in, for inch tube

| ØD  | Exhaust (A) | Supply (B) |
|-----|-------------|------------|
| 1/8 | 7630 53 00  | 7631 53 00 |
| 1/4 | 7630 56 00  | 7631 56 00 |

### 7640-7649

#### swivel outlet, BSP parallel and metric

| ØD | C      | Exhaust (A) | Supply (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    | Exhaust (A) |
|----|------|-------------|
| 4  | R1/8 | 7645 04 10  |
| 6  | R1/8 | 7645 06 10  |

### 7640-7645

#### swivel outlet, UNF and NPT

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

## compact

### 7060-7061-7062

#### BSP parallel

| ØD | C    | Exhaust (A) | Supply (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    | Exhaust (A) | Supply (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 |                    |

### 7065-7066-7067

#### NPT

| ØD   | C   | Exhaust (A) | Supply (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  |            |                    |

### 7030-7031

#### plug-in, metric tube

| ØD | Exhaust (A) | Supply (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 |

### 7040-7041

#### swivel outlet, BSP parallel

| ØD | C    | Exhaust (A) | Supply (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    | Exhaust (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  |

### 7045

#### swivel outlet, NPT

| ØD  | C   | Exhaust (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  |

#### Visual identification of different threads

|            |                |
|------------|----------------|
| 7660 06 10 | = BSP parallel |
| 7665 06 10 | = BSP taper    |
| 7665 56 11 | = NPT          |

# flow control regulators – polymer version

## with recessed screw

### 7010-7011-7012

BSP parallel and metric

| ØD | C      | Exhaust (A) | Supply (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

### 7771

with threaded fitting, BSP parallel

| C    | One-way    |
|------|------------|
| G1/8 | 7771 10 10 |
| G1/4 | 7771 13 13 |
| G3/8 | 7771 17 17 |
| G1/2 | 7771 21 21 |

## in-line

### 7770-7772

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 |                |

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 |                |

### 7776

bulkhead, 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 |

# manual operated valves

### 7800-7801

3/2 manual switch operated valves, with push-in connection, BSP parallel

| ØD | C      | Supply     | Control    |
|----|--------|------------|------------|
| 4  | M5x0,8 | 7800 04 19 |            |
| 4  | G1/8   | 7800 04 10 | 7801 04 10 |
| 6  | M5x0,8 | 7800 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 |

### 7805-7806

3/2 manual switch operated valves, with push-in connection, NPT

| ØD   | C   | Supply     | Control    |
|------|-----|------------|------------|
| 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 |

### 7802

2/2 manual switch operated valve, with push-in connection, BSP parallel

| ØD | C    | Supply     |
|----|------|------------|
| 4  | G1/8 | 7802 04 10 |
| 6  | G1/8 | 7802 06 10 |
| 6  | G1/4 | 7802 06 13 |
| 8  | G1/8 | 7802 08 10 |
| 8  | G1/4 | 7802 08 13 |
| 10 | G1/4 | 7802 10 13 |

### 0669

3/2 manual pneumatic sleeve valves, double female, BSP parallel

| ØD | 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 |

### 0660

3/2 manual pneumatic sleeve valves, double female, NPT

| ØD | C   |            |
|----|-----|------------|
| 4  | 1/8 | 0660 04 11 |
| 7  | 1/4 | 0660 07 14 |
| 10 | 3/8 | 0660 10 18 |
| 14 | 1/2 | 0660 14 22 |

### 0661

3/2 manual pneumatic sleeve valves, male/female, NPT

| ØD | C   |            |
|----|-----|------------|
| 4  | 1/8 | 0661 04 11 |
| 7  | 1/4 | 0661 07 14 |
| 10 | 3/8 | 0661 10 18 |
| 14 | 1/2 | 0661 14 22 |

# mini-ball valves

### 7913

3/2, with vent, with push-in connection

| ØD |            |
|----|------------|
| 4  | 7913 04 00 |
| 6  | 7913 06 00 |
| 8  | 7913 08 00 |
| 10 | 7913 10 00 |
| 12 | 7913 12 00 |

### 7914

3/2, with vent, with male BSP parallel thread and push-in connection

| ØD | C    |            |
|----|------|------------|
| 6  | G1/8 | 7914 06 10 |
| 8  | G1/4 | 7914 08 13 |
| 10 | G3/8 | 7914 10 17 |
| 12 | G1/2 | 7914 12 21 |

### 7910

2/2, with push-in connection

| ØD |            |
|----|------------|
| 4  | 7910 04 00 |
| 6  | 7910 06 00 |
| 8  | 7910 08 00 |
| 10 | 7910 10 00 |
| 12 | 7910 12 00 |

### 7911

2/2, with male BSP parallel thread and push-in connection

| ØD | C    |            |
|----|------|------------|
| 6  | G1/8 | 7911 06 10 |
| 8  | G1/4 | 7911 08 13 |
| 10 | G3/8 | 7911 10 17 |
| 12 | G1/2 | 7911 12 21 |

# non-return valves, all fluids and stainless steel

4890

one-way, female-female, BSP parallel

| ØD | C    |            |
|----|------|------------|
| 10 | G1/8 | 4890 10 10 |
| 10 | G1/4 | 4890 13 13 |
| 15 | G3/8 | 4890 17 17 |
| 15 | G1/2 | 4890 21 21 |
| 20 | G3/4 | 4890 27 27 |
| 25 | G1"  | 4890 34 34 |

4891

one-way, male-female, BSP parallel

| ØD | C    |            |
|----|------|------------|
| 10 | G1/8 | 4891 10 10 |
| 10 | G1/4 | 4891 13 13 |
| 15 | G3/8 | 4891 17 17 |
| 15 | G1/2 | 4891 21 21 |
| 20 | G3/4 | 4891 27 27 |
| 25 | G1"  | 4891 34 34 |

working pressure: 0,5 to 40 bar  
working temperature: -20° to + 180°C

4892

one-way, female-male, BSP parallel

| ØD | C    |            |
|----|------|------------|
| 10 | G1/8 | 4892 10 10 |
| 10 | G1/4 | 4892 13 13 |
| 15 | G3/8 | 4892 17 17 |
| 15 | G1/2 | 4892 21 21 |
| 20 | G3/4 | 4892 27 27 |
| 25 | G1"  | 4892 34 34 |

4895

one-way, female-female, NPT

| ØD | C   |            |
|----|-----|------------|
| 10 | 1/8 | 4895 11 11 |
| 10 | 1/4 | 4895 14 14 |
| 15 | 3/8 | 4891 18 18 |
| 15 | 1/2 | 4891 22 22 |

## pneumatic and electric sensor fittings

with push-in connection

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 |

7808

BSP taper

| ØD | C    |            |
|----|------|------------|
| 4  | R1/8 | 7808 04 10 |
| 4  | R1/4 | 7808 04 13 |
| 4  | R3/8 | 7808 04 17 |
| 4  | R1/2 | 7808 04 21 |

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 |

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 |

7828

electric, NPT

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

with threaded connection

7818

BSP parallel and metric

| C    |            |
|------|------------|
| G1/8 | 7818 19 10 |
| G1/4 | 7818 19 13 |

7808

NPT

| C   |            |
|-----|------------|
| 1/8 | 7808 20 11 |
| 1/4 | 7808 20 14 |
| 3/8 | 7808 20 18 |

Visual identification of different threads

7818 04 10 = BSP parallel

7808 04 10 = BSP taper

7808 04 11 = NPT

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# pneumatic function fittings



## flow control regulators – metal version

### 7100-7101

with push-in connection, BSP parallel

| ØD | C    | Exhaust (A) | Supply (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  |            |

### 7105

with push-in connection, NPT

| ØD   | C   | Exhaust (A) |
|------|-----|-------------|
| 5/32 | 1/8 | 7105 04 11  |
| 1/4  | 1/8 | 7105 06 11  |
| 1/4  | 1/4 | 7105 06 14  |
| 3/8  | 1/4 | 7105 06 14  |
| 3/8  | 3/8 | 7105 06 18  |

### 7162

with brass compression tube fitting, BSP parallel

| ØD | C    | Exhaust (A) |
|----|------|-------------|
| 8  | G1/8 | 7162 08 10  |
| 10 | G1/4 | 7162 10 13  |
| 14 | G3/8 | 7162 14 17  |
| 18 | G1/2 | 7162 18 21  |

### 7180

“miniature” with push-in connection, BSP parallel

| ØD | C      | Exhaust (A) |
|----|--------|-------------|
| 4  | M5x0,8 | 7180 04 19  |
| 4  | G1/8   | 7180 04 10  |
| 6  | M5x0,8 | 7180 06 19  |
| 6  | G1/8   | 7180 06 10  |
| 8  | G1/8   | 7180 08 10  |

### 7190

“miniature” with threaded connection, BSP parallel

| C      | Exhaust (A) |
|--------|-------------|
| M5x0,8 | 7190 19 19  |
| G1/8   | 7190 10 10  |

### 7130

with push-in connection, BSP parallel - recessed adjustment screw

| ØD | C      | Exhaust (A) |
|----|--------|-------------|
| 4  | M5x0,8 | 7130 04 19  |
| 4  | G1/8   | 7130 04 10  |
| 6  | M5x0,8 | 7130 06 19  |
| 6  | G1/8   | 7130 06 10  |
| 6  | G1/4   | 7130 06 13  |
| 8  | G1/8   | 7130 08 10  |
| 8  | G1/4   | 7130 08 13  |
| 8  | G3/8   | 7130 08 17  |
| 10 | G1/4   | 7130 10 13  |
| 10 | G3/8   | 7130 10 17  |
| 10 | G1/2   | 7130 10 21  |
| 12 | G3/8   | 7130 12 17  |
| 12 | G1/2   | 7130 12 21  |

### 7110-7111

with threaded connection, BSP parallel

| C    | Exhaust (A) | Supply (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  |            |

### 7115

with threaded connection, NPT

| C   | Exhaust (A) |
|-----|-------------|
| 1/8 | 7115 11 11  |
| 1/4 | 7115 14 14  |
| 3/8 | 7115 18 18  |
| 1/2 | 7115 22 22  |

### 7160

with brass compression tube fitting, BSP parallel

| ØD | C    | Exhaust (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  |

### 7140

with brass compression tube fitting, BSP parallel

| C      | Exhaust (A) |
|--------|-------------|
| M5x0,8 | 7140 19 19  |
| G1/8   | 7140 10 10  |
| G1/4   | 7140 13 13  |
| G3/8   | 7140 17 17  |
| G1/2   | 7140 21 21  |

## flow control regulators - stainless steel

### 7810-7812

with threaded fitting, BSP parallel and metric - recessed adjustment screw

| C      | Exhaust (A) | Supply (B)  |
|--------|-------------|-------------|
| M5x0,8 | 7810 19 19  | 7812 19 19* |
| G1/8   | 7810 10 10  | 7812 10 10* |
| G1/4   | 7810 13 13  | 7812 13 13* |
| G3/8   | 7810 17 17  | 7812 17 17* |
| G1/2   | 7810 21 21  | 7812 21 21* |

\* for all fluids

# pressure regulator fittings



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 |

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 |

# pressure reducer fittings



7318

banjo, BSP parallel with instant fitting

| ØD | C    |            |
|----|------|------------|
| 6  | G1/8 | 7318 06 10 |
| 6  | G1/4 | 7318 06 13 |
| 8  | G1/4 | 7318 08 13 |
| 10 | G1/4 | 7318 10 13 |
| 10 | G3/8 | 7318 10 17 |

7471

banjo, BSP parallel with threaded fitting

| C    |            |
|------|------------|
| G1/8 | 7471 10 10 |
| G1/4 | 7471 13 13 |
| G3/8 | 7471 17 17 |
| G1/2 | 7471 21 21 |

7316

in-line, with instant fitting

| ØD | C |            |
|----|---|------------|
| 6  |   | 7316 06 00 |
| 8  |   | 7316 08 00 |
| 10 |   | 7316 10 00 |

7416

in-line, BSP parallel with threaded fitting

| C    |            |
|------|------------|
| G1/8 | 7416 10 10 |
| G1/4 | 7416 13 13 |
| G3/8 | 7416 17 17 |
| G1/2 | 7416 21 21 |

# pneumatic soft start fittings



with push-in connection

7860-7870

BSP parallel

| ØD | C    | FRL        | Control valve |
|----|------|------------|---------------|
| 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 |               |

with threaded connection

7861-7871

BSP parallel

| C    | FRL        | Control valve |
|------|------------|---------------|
| G1/4 | 7861 13 13 | 7871 13 13    |
| G3/8 | 7861 17 17 | 7871 17 17    |
| G1/2 | 7861 21 21 |               |

7865-7875

BSP taper

| ØD | C    | FRL        | Control valve |
|----|------|------------|---------------|
| 8  | R1/8 | 7865 08 13 | 7875 08 13    |

7864-7874

NPT

| C   | FRL        | Control valve |
|-----|------------|---------------|
| 1/4 | 7864 14 14 | 7874 14 14    |
| 3/8 | 7864 18 18 | 7874 18 18    |

# snap connectors



7926

body with LF 3000® connection

| ØD | DN  |            |
|----|-----|------------|
| 6  | 5   | 7926 05 06 |
| 8  | 5   | 7926 05 08 |
| 10 | 7,3 | 7926 07 10 |

7960

probe with LF 3000® connection

| ØD | DN  |            |
|----|-----|------------|
| 6  | 5   | 7960 05 06 |
| 8  | 5   | 7960 05 08 |
| 10 | 7,3 | 7960 07 10 |

7921

body with male BSP parallel thread

| C    | DN  |            |
|------|-----|------------|
| G1/8 | 5   | 7921 05 10 |
| G1/4 | 5   | 7921 05 13 |
| G1/4 | 7,3 | 7921 07 13 |
| G3/8 | 7,3 | 7921 07 17 |

7961

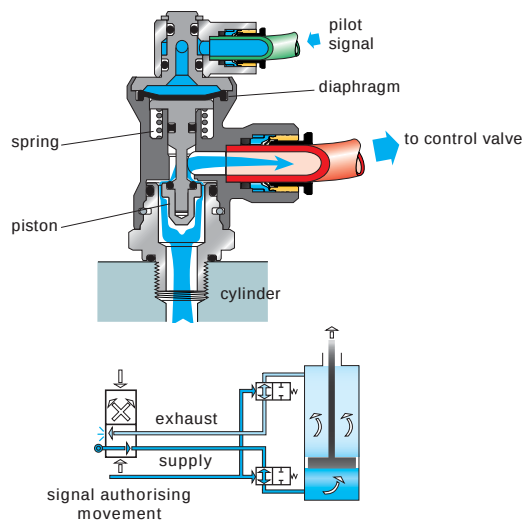
probe with BSP parallel thread

| C    | DN  |            |
|------|-----|------------|
| G1/8 | 5   | 7961 05 10 |
| G1/4 | 5   | 7961 05 13 |
| G1/4 | 7,3 | 7961 07 13 |
| G3/8 | 7,3 | 7961 07 17 |

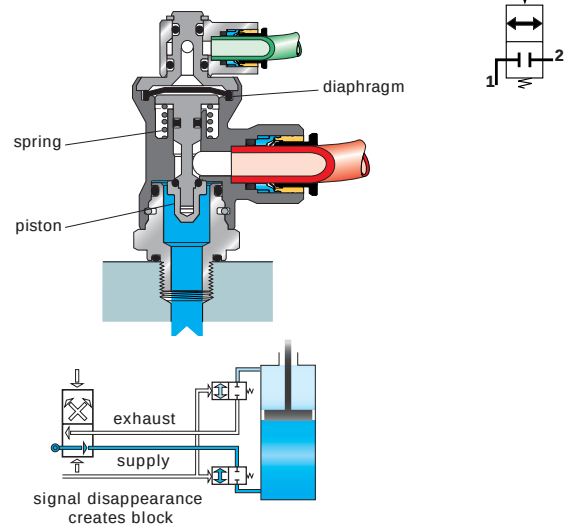
# blocking fittings

"safety"

moving cylinder (active pilot signal)



blocked cylinder (pilot signal removed)



Designed to offer maximum flow capacity Legris blocking fittings **lock the piston** by simultaneously cutting off the supply and exhaust air. Functional locks are more precise and rapid when blocking fittings are located on the cylinder : the volume of air in the pipework no longer needs to be taken into consideration.

## installation :

Mounted in **pairs**, blocking fittings 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 :

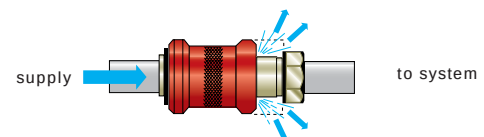
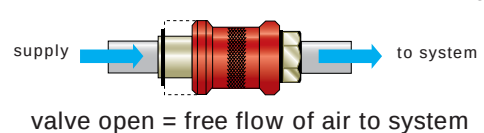
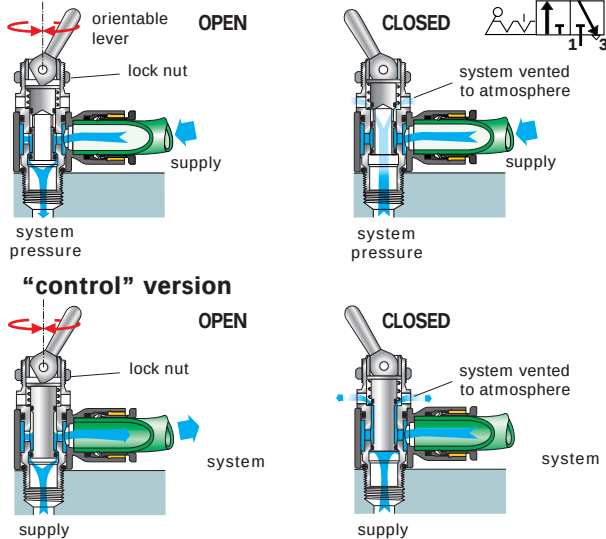
suitable fluid : compressed air  
working pressure : 1 to 10 bar  
working temperature : - 20° to + 70°C



# manually operated and sleeve valves

"safety"

"supply" version



valve closed = supply shut-off, system vented to atmosphere

## 3/2 and 2/2 manual switch operated vent fittings

Manual switch operated vent fittings can be used whenever the system has to be **frequently vented**. They guarantee immediate isolation of the air line by venting to atmosphere by a simple manual operation of the lever.

Supply is provided (3/2 version):

- on the **instant connection** side (7800-7805)
- on the **threaded** side; when mounted on a **manifold** (e.g. Legris aluminium manifolds). (7801-7806)

## specifications :

suitable fluid : compressed air  
maximum working pressure : 10 bar  
working temperature : - 10° to + 80°C

## 3/2 pneumatic sleeve valves

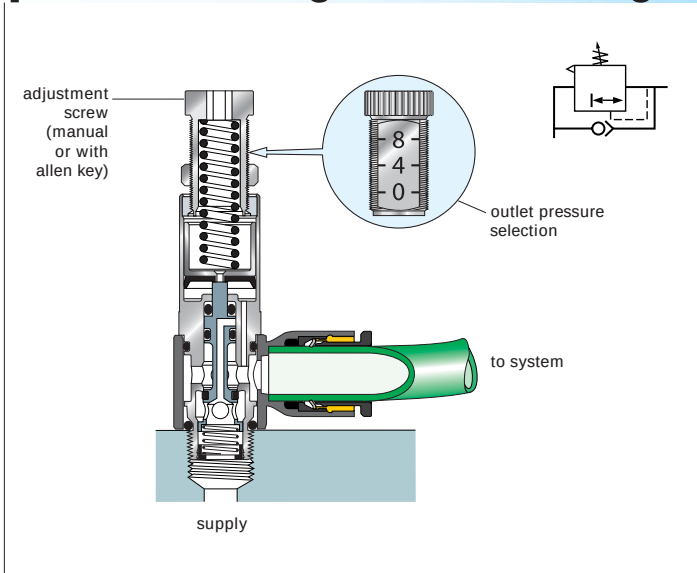
Pneumatic sleeve valves may be used to **effect isolation of the air line by venting the system to atmosphere**. Their in-line configuration allows compact mounting directly into the pipework.

## specifications :

suitable fluid : compressed air  
maximum working pressure : 16 bar  
working temperature : - 10° to + 80°C  
direction of flow: one-way

# pressure regulator fittings

"energy efficient"



Legris pressure regulator fittings are used to **stabilize at a given value the pressure** 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.

Compact, flow pressure regulators may be mounted:

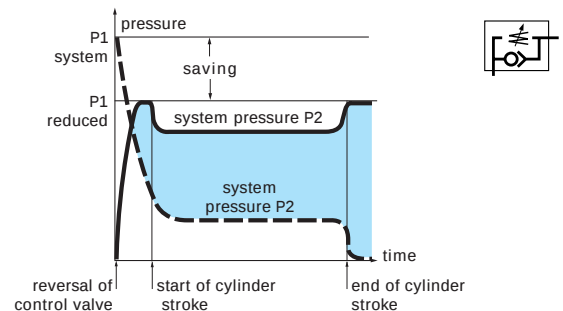
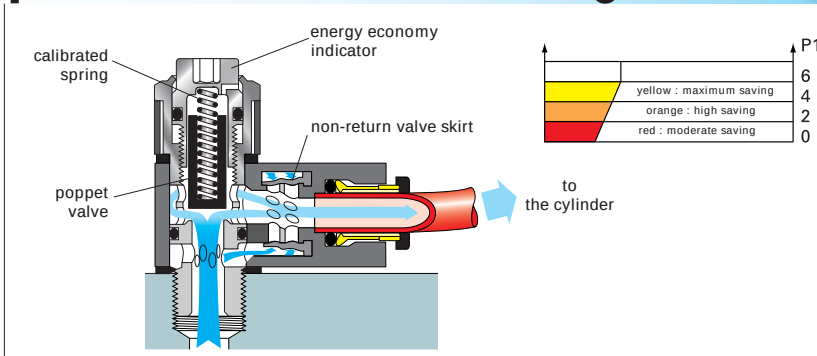
- downstream of the control valve, for reduced pressure in one direction,
- upstream of the control valve, for reduced pressure in both directions.

## specifications :

suitable fluid : compressed air  
 working pressure : input pressure : 1 to 16 bar  
 regulated pressure : 1 to 8 bar  
 working temperature : - 10° to + 70°C

# pressure reducer fittings

"energy efficient"



Legris pressure reducer fittings **provide the cylinder with a circuit pressure reduced** to a value determined by manual adjustment, thereby also increasing energy efficiency. These fittings may be mounted :

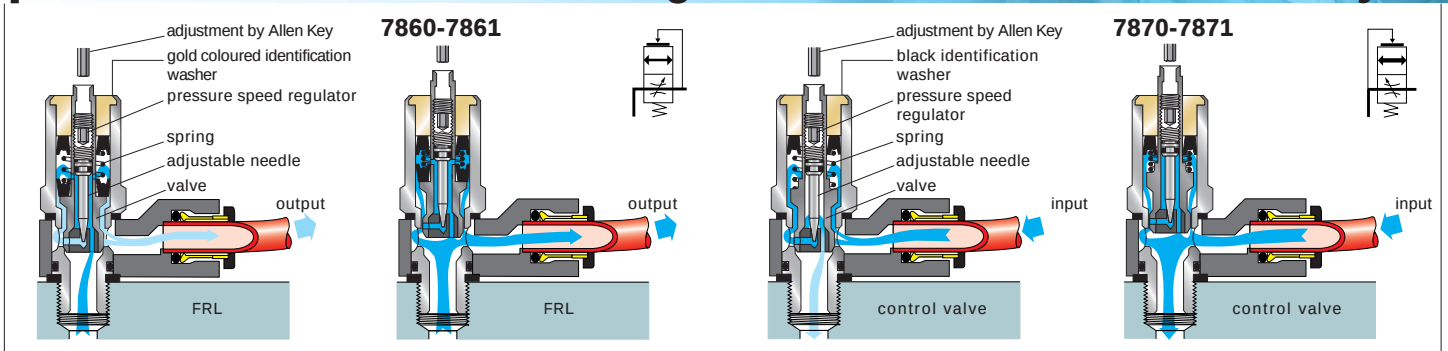
- directly to a control valve or terminal block (banjo version),
- on the pipework between the control valve and cylinder (in-line version).

## specifications :

suitable fluid : compressed air  
 working pressure : 1 to 8 bar  
 working temperature : - 15° to + 60°C

# pneumatic soft start fittings

"safety"



Pneumatic soft start fittings allow air pressure to **gradually increase** on the first cycle only. 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 downstream installation (types 7860-7861/7864/7865). Mounted to the supply port of the control valve or the

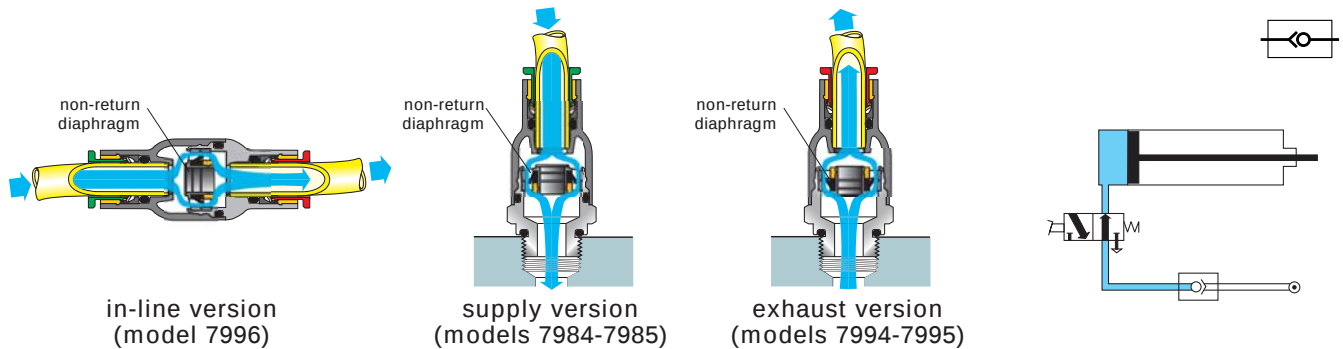
common supply line of several associated valves, they control all designated cylinders (types 7870/7871/7874/7875).

## specifications :

suitable fluid : compressed air  
 working pressure : 3 to 10 bar  
 working temperature : - 15° to + 60°C

# non-return valves

"safety"



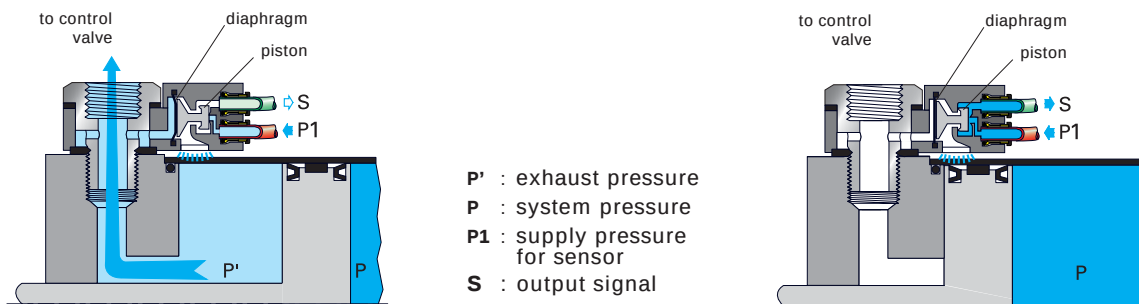
Legris non-return valves **allow air to pass in one direction whilst blocking flow in the other direction**. The V ring technology ensure positive sealing, even when the fitting is submitted to vibration. These fittings may be mounted upstream of the circuit. Their extreme compactness and light weight make them suitable as a **safety** item in compressed air circuits.

## specifications

suitable fluid : compressed air  
working pressure : 1 to 10 bar  
working temperature : 0° to + 70°C

# pneumatic sensor fittings

"safety"



Legris sensor fittings **detect pressure drop** 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 : -15° to + 60°C  
working pressure : 3-8 bar  
breaking pressure : 0-6 bar  
response time : 3m.s.

# symbols of Legris pneumatic function fittings

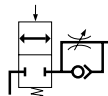
## regulating air flow



## controlling air circulation



## controlling and regulating air flow



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



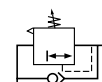
## exhausting system and controlling pneumatic circuit supply



## detecting pressure drop



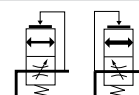
## regulating pressure by stabilizing at a required value



## reducing pressure supply



## progressive pressurising of circuits

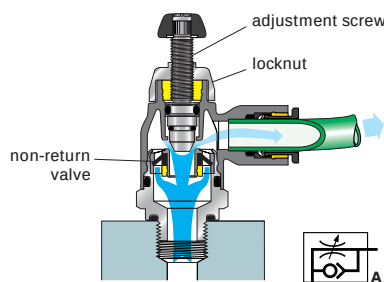


## isolate a circuit without venting the whole installation

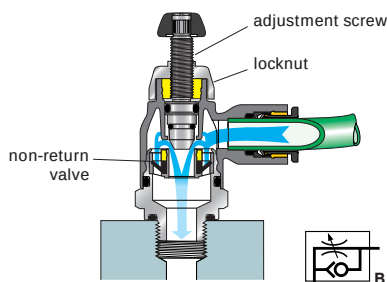


# flow control regulators

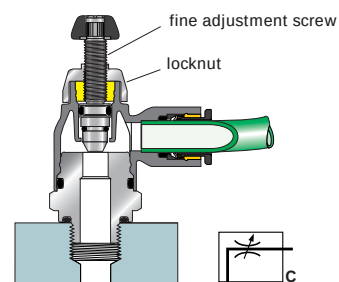
"exhaust" version



"supply" 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

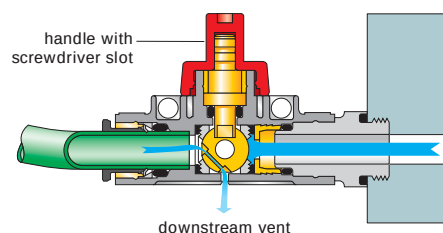
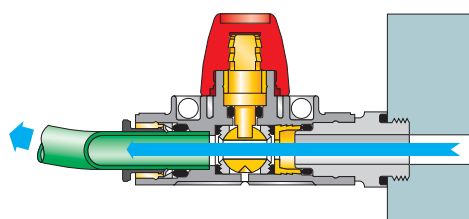
the elastic effect of the compressed air contained in the pipework between the control valve and cylinder. Direct mounting of the banjo flow regulator fitting onto the cylinder is therefore the optimum solution.

## specifications :

suitable fluids : compressed air  
working pressure : 1 to 10 bar  
working temperature : 0° to + 70°

# mini-ball valves - 2/2 and 3/2 versions

3/2 models with vent



**Legris** mini-ball valves enable the opening and closing of a pneumatic circuit. Compact and light weight, they are suited to all types of installation. Moreover, thanks to the **3 types of mounting** available, these models are suited to all applications. Their screwdriver slot allows closing and opening, even where access may be difficult.

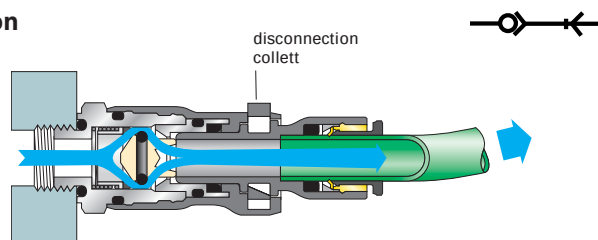
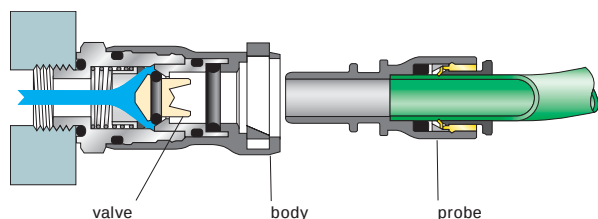
**Full passage**, Legris mini-ball valves offer excellent performance of flow.

## technical specifications:

suitable fluid: compressed air  
maximum pressure: 10 bar  
vacuum capability: vacuum of 755 mm Hg (99% of vacuum)  
working temperature: - 20° to + 80°C

# snap connectors

principle of operation



**Legris** snap connector fittings are used to isolate a circuit without venting the whole installation. They are designed to facilitate frequent connections/disconnections –in complete **safety**. Connection is confirmed by an **audible « click »**.

## technical specifications:

fluid : compressed air  
working temperature: - 20° to + 80°C  
maximum pressure: 10 bar



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