

The new FRL units AIRPLUS series represents the evolution of the well known and consolidated 1700 series.

The main features are increased performances, reliability, easy and fast assembly and the introduction of the latest technical features. With the exception of the air intake module and the pressure switch module all elements are available in two configurations: with technopolimer connections (IN and OUT), (T series), or with metal threaded inserts, (N series). Bowls made of transparent polycarbonate (PC) are fitted with a bowl protection guard which is assembled on the body via a quick coupling mechanism provided with a safety button. The filter, available with three filtration grades (5µm, 20µm and 50µm) is fitted as standard with a drain mechanism which can be operated manually or semiautomatically. On request is available the auto-drain mechanism. The regulator is based on the rolling diaphragm technology with low hysteresis and the system is balanced. The unit can be fitted with integrated flush mounting pressure gauge (0 to 12 bar range). 4 pressure ranges are available going from 0 to 12 bar and the regulating knob can be blocked in position simply by pressing it down. A dedicated version is available for battery mounting, up to a maximum of 6 units. The lubricator is based on the Venturi principle and the oil quantity is regulated via the adjusting screw positioned don the transparent polycarbonate (PC) regulating dome which also ensure clear visibility of the oil flow and regulation. The oil suction pipe is fitted as standard with a sintered filter which ensures that any contaminant that should be present in the oil will reach the down stream circuit. Shoot off valve is available in two versions, one manually operated and one solenoid operated. In both cases the unit is fitted with a threaded connection for depressurising the downstream circuit. On the manually operated version, in the lock position, it is possible to fit up to three locks in order to prevent the accidental pressurization of the pneumatic circuit avoiding accidents or damages. The solenoid operated version is available with a 15mm or with a 22mm solenoid valve. The soft start valve ensure a progressive pressurization of the down stream circuit avoiding sudden pressure surges which could be dangerous for the devices fitted on the down stream circuit. The filling time can be easily adjusted via a built in flow regulator. The full flow rate is allowed only once the down stream pressure has reached 50% of the value of the inlet pressure. The pressure switch module which can be set between 2 and 10 bar and the air intake module complete the range.

The elements are joint together via dedicated quick coupling technopolimer flanges which allows for the units to be panel mounted moreover ensure the possibility to replace any component without disassembling the FRL group from its position.

90° mounting brackets and standard gauges are also available.

Instruction for installation and operation

The FRL unit must be installed as close as possible to the application. The air flow direction must follow the directions indicated on the single units in correspondence of the threaded connections. (IN and OUT)

Units provided with bowl must be mounted vertically with the bawl facing down. Single units or groups can be panel mounted via the Y type flanges, regulators and filter-regulators can be mounted via the 90° zinc plated steel bracket. In order to mount the 90° bracket it is necessary to remove the regulating knob and then the locking ring before positioning the bracket. All units must be operated according to the specified pressure and temperature ranges; fittings must be mounted without exciding the maximum torque allowed. Ensure that the units cover plates are in position before pressure is applied. The cover plates are needed to lock in position the top part of the unit.

The condense level in filer and filter-regulators bowls must never exceed the maximum level indicated on the bowls. With manual or semi automatic drain the condense can be discharged via a 6/4mm tube directly connected to the drain tap. On the pressure regulator the pressure value must always set wile pressure is rising and ideally the unit pressure range should be chosen based on the pressure value to be regulated. Lubricators must be filled with class FD22 and HG32 oils. Ensure, both on the inlet and on the outlet, that the flow rate is above the minimum flow rate required to operate the unit. Below this value the units does not operate. The oil quantity can be regulated via the regulating screw on the transparent polycarbonate dome through which it is also clearly visible the oil flow. A drop every 300-600 litres should be allowed.

The oil can be re-filled while the pneumatic circuit is pressurized thanks to the exhaust valve which is built in the refill plug and allows for the bowl to be depressurized and the oil refill directly form in the bowl or from the plug. The manual shot off valve needs, to be operated, a push and turn action (clockwise) in order to close it and discharge the down stream circuit it is necessary to turn anti clock wise the knob. The soft start valve is used to slowly and progressively pressurize the down stream circuit, the time needed to do so can be set by means of the built in flow regulator. The soft start valve on its own does not allow for the down stream circuit to be discharged, in order to do so it is necessary to combine it with a shot off valve (to be mounted upstream).

Maintenance

For any maintenance which requires the removal of the top plugs/ supports from the body it is necessary to preventively remove the sides cover plates. If the top plugs/supports are removed with the sides plates still in their position the unit could be permanently damaged.

Bowls, plugs and supports are assembled with a bayonet type mechanism. In order to remove them rotate anti clockwise until the mechanical stop is reached and than remove from the body (for the bowls firstly press down the green safety button). Bowls and transparent parts can be cleaned with water and neutral soap. Do not use solvents or alcohol.

Filtering elements (from filters and filter regulators) made of HDPE can be regenerated by washing and blowing them. In order to remove them it is necessary to remove the bowl unscrew the filter element and replace it with a new one or clean it. The oil can be re-filled while the pneumatic circuit is pressurized thanks to the exhaust valve which is built in the refill plug and allows for the bowl to be depressurized. In order to be able to unmount the bowl it is necessary unscrew the refill plug positioned near the oil dome, once this operation has been carried out it is possible to remove the bowl to re fill it or to refill from the refill plug. Refilling directly the bowl is suggested.

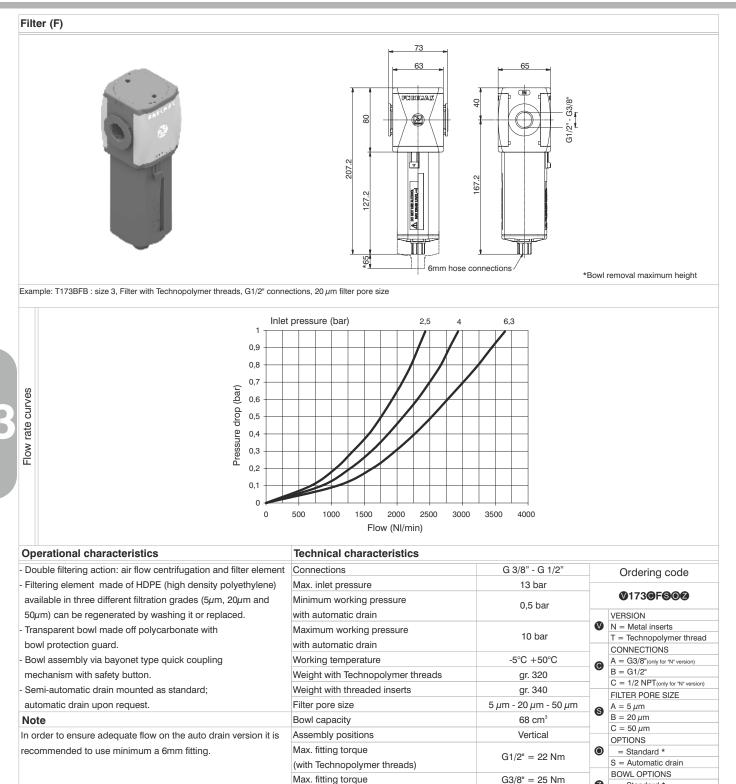
Should the pressure regulator not perform properly or should present a constant leackage from the relieving replaced the diaphragm by unloading completely the regulating spring before removing the regulation support. Any other maintenance operation, in consideration of the complexity of the assembly, and the need of a through test according to the Pneumax spa specification, should be carried out by the manufacturer.

Fittings maximum recommended torque applicable

| THREAD | Technopolymer version (T) | Metal version (N) |
|--------|---------------------------|-------------------|
| G1/8" | 4 Nm | 15 Nm |
| G1/4" | 9 Nm | 20 Nm |
| G3/8" | 16 Nm | 25 Nm |
| G1/2" | 22 Nm | 30 Nm |

3





(with threaded inserts)

* no additional letter required

= Standard *

N = Nylon bowl

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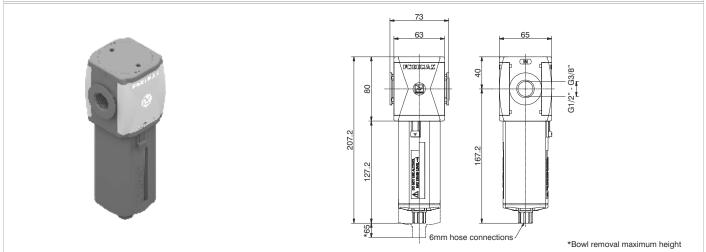
G1/2" = 30 Nm

DOMINGA INDUSTRY SERVICE

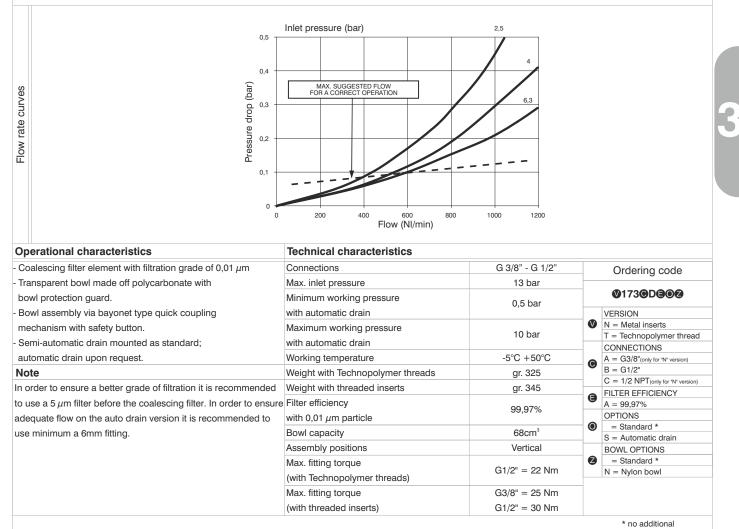
Series Airplus Size 3

DIFUNA

Coalescing filter (D)



Example : T173BDA : Coalescing size 3, Filter with Technopolymer threads, G1/2" connections, filter efficency 99,97%



letter required





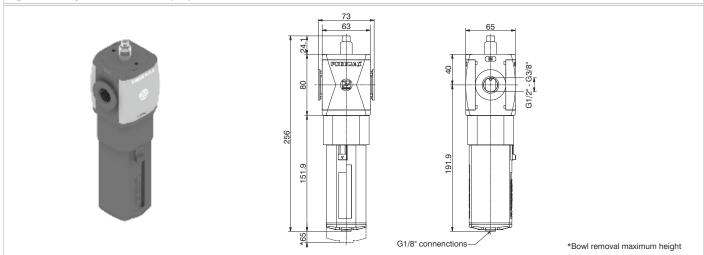
Oil removal filter (DB) 73 63 65 80 217.6 53.5 13.5 ß G1/8" connenctions *Bowl removal maximum height Example : T173BDBV : size 3 Oil removal filter, with clogging gauge, Technopolymer threads, G1/2" connections. Inlet pressure (2,5 bar) Inlet pressure (4 bar) Inlet pressure (6,3 bar) 0.50 0.50 0.50 (bar) Pressure drop ∆p (bar) 05'0 00'0 01'0 05'0 Pressure drop Δp (bar) 0,40 0,40 Efficiency curve Wet cartridge curv Pressure drop Δp 0,30 0,30 ۱۸/c Wet cartride 0,20 0,20 Drv cartridge curve 0,10 0,10 Dry rtridge cu rtridge curve 0,00 0,00 0,00 0 100 200 300 400 500 600 700 800 900 1000 1100 0 100 200 300 400 500 600 700 800 900 1000 1100 0 100 200 300 400 500 600 700 800 900 1000 1100 Flow (NI/min) Flow (NI/min) Flow (NI/min) **Operational characteristics Technical characteristics** G 3/8" - G 1/2" Coalescing filtering cartridge Connections Ordering code Nominal flow at 6,3 bar 1100 NI/min particle removal 0,01 μ m 01730DBV0 Filter efficiency 99,99% oil residual 0,01 ppm Clogging gauge Max. inlet pressure 13 bar VERSION V N = Metal inserts green: proper working Minimum working pressure 0,5 bar T = Technopolymer thread red: clogged cartridge (Δp 0,5 bar) with automatic drain CONNECTIONS we recommend to change the cartridge Maximum working pressure A = G3/8"(only for "N" version 10 bar C B = G1/2"with automatic drain Transparent bowl made off polycarbonate with C = 1/2 NPT(only for "N" version) -5°C +50°C bowl protection guard. Working temperature BOWL OPTIONS Weight with Technopolymer threads Bowl assembly via bayonet type quick coupling gr. 440 Z = Standard * N = Nylon bowl mechanism with safety button. Weight with threaded inserts gr. 460 * no additional Automatic drain mounted as standard. Bowl capacity 30 cm³ letter required Note Assembly positions Vertical We recommend installing a 5 μ m filter upstream of the oil Max. fitting torque G1/2" = 22 Nm (with Technopolymer threads) removal filter. In order to ensure adequate flow on the auto drain version it is recommended to use minimum a 6mm fitting. Max. fitting torque G3/8" = 25 Nm

(with threaded inserts)

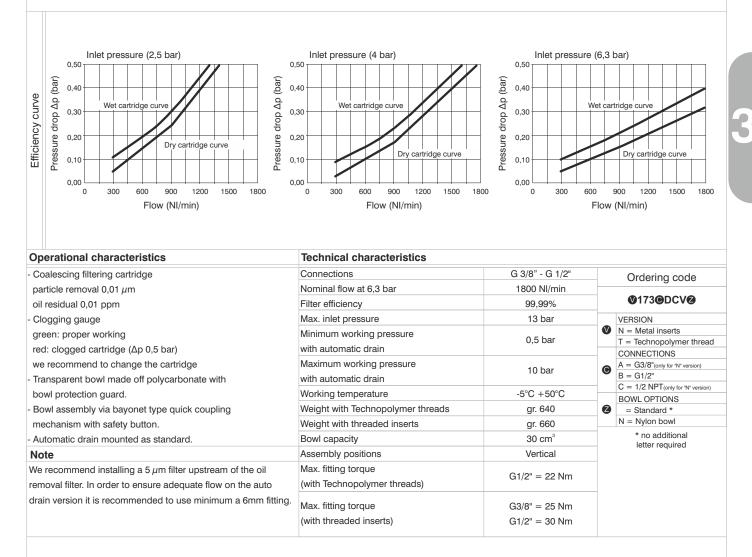


G1/2" = 30 Nm

High efficiency oil removal filter (DC)



Example: T173BDCV : size 3 High efficiency oil removal filter, with clogging gauge, Technopolymer threads, G1/2" connections.





Carbon filter (DD) 73 63 9 80 ĥ 207.2 67.2 DO NOT USE ALCOHOL. 127. Ψ *65 *Bowl removal maximum height Example : T173BDD : size 3 Carbon filter, Technopolymer threads, G1/2" connections. Inlet pressure (2,5 bar) Inlet pressure (4 bar) Inlet pressure (6,3 bar) 0,30 0,30 0,3 0.2 0.25 0.25 Content of the service of the servi Pressure drop Δp (bar) (bar) Efficiency curve 0,20 0,20 _ D Pressure drop 0,15 0,15 0,10 0,10 0,05 0,05 0,05 0,00 0,00 0,00 0 100 200 300 400 500 600 700 800 900 1000 1100 0 100 200 300 400 500 600 700 800 900 1000 1100 0 100 200 300 400 500 600 700 800 900 1000 1100 Flow (NI/min) Flow (NI/min) Flow (NI/min) **Operational characteristics Technical characteristics** G 3/8" - G 1/2" Active carbon cartridge with built in particulate filter. Connections Ordering code Nominal flow at 6,3 bar Used to remove oil vapours, hydrocarbons, odours and 1100 NI/min @173@DD@ Cartridge life 2000 hours particles coming from the compressed air lines or gasses in Max. inlet pressure industrial applications. Oil residue up to <0,003 ppm 13 bar VERSION V N = Metal inserts -5°C +50°C (max imput aereosol 0.01ppm). Working temperature T = Technopolymer thread Weight with Technopolymer threads gr. 440 Innovative filtering technology; high absorption capacity, CONNECTIONS Weight with threaded inserts with low differential pressure. gr. 460 A = G3/8"(only for "N" version) C B = G1/2"Bowl capacity 30 cm³ Transparent bowl made off polycarbonate with C = 1/2 NPT(only for "N" version)Assembly positions bowl protection guard. Vertical BOWL OPTIONS Bowl assembly via bayonet type quick coupling Max. fitting torque Z = Standard * G1/2" = 22 Nm N = Nylon bowl mechanism with safety button. (with Technopolymer threads) * no additional Semi-automatic drain mounted as standard. letter required Note

Max. fitting torque

(with threaded inserts)

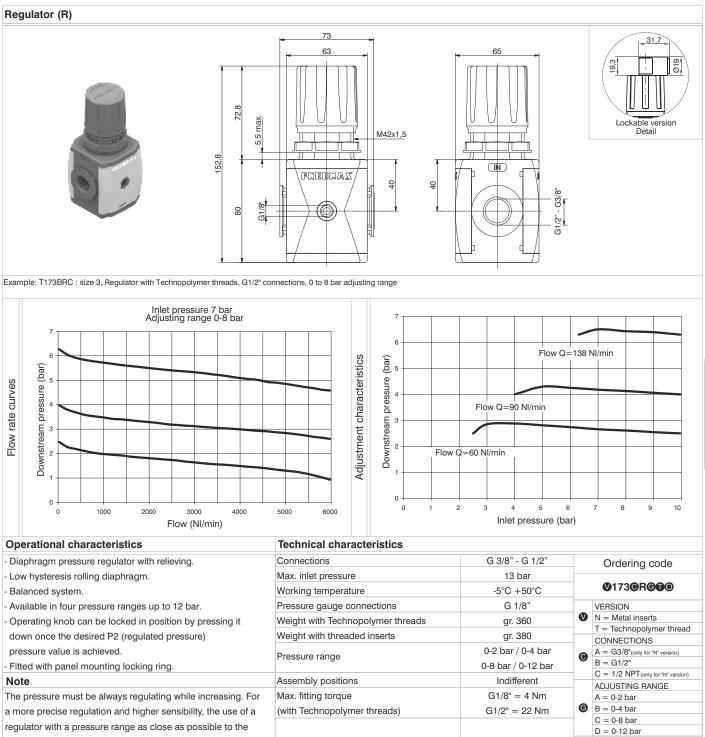
A 5 micron filter followed by a coalescing filter must be installed before the Oil removal filter in order to ensure the correct functionality of the unit and to safeguard the life of the active carbon cartridge. It is also necessary to preventively replace the cartridges at fixed intervals.

G3/8" = 25 Nm

G1/2" = 30 Nm

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DIFTIN



regulated pressure is recommended.

Max. fitting torque G3/8" = 25 Nm (with threaded inserts) G1/2" = 30 Nm



TYPE = Standard * F = Controlled refiel +

improved relieving

L = no relieving R = Improved relieving OPTIONS

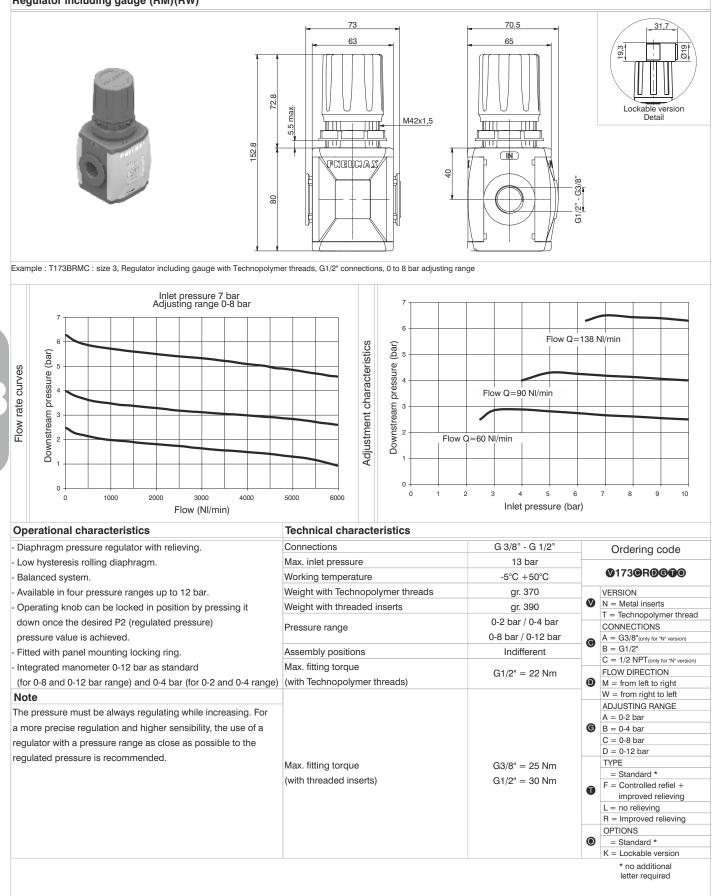
= Standard * K = Lockable version * no additional letter required

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Regulator including gauge (RM)(RW)





Series Airplus Size 3

*Bowl removal maximum height

DNFIM

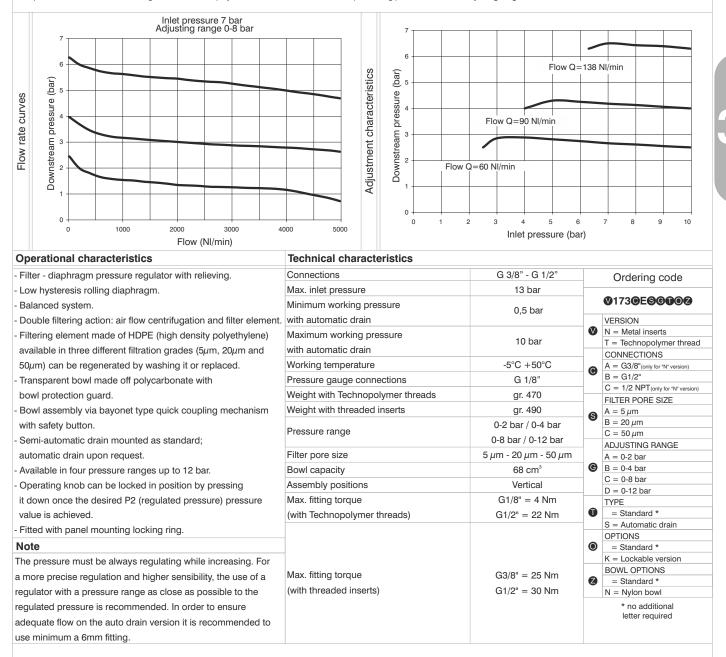
Filter-Regulator (E) 73 65 31,7 63 019 019 19,3 5.5 max 72.8 M42x1,5 G3/8 Lockable version ā 8 Dotai 5 Ň 279.9 5 167.2

6mm hose connections

127.2

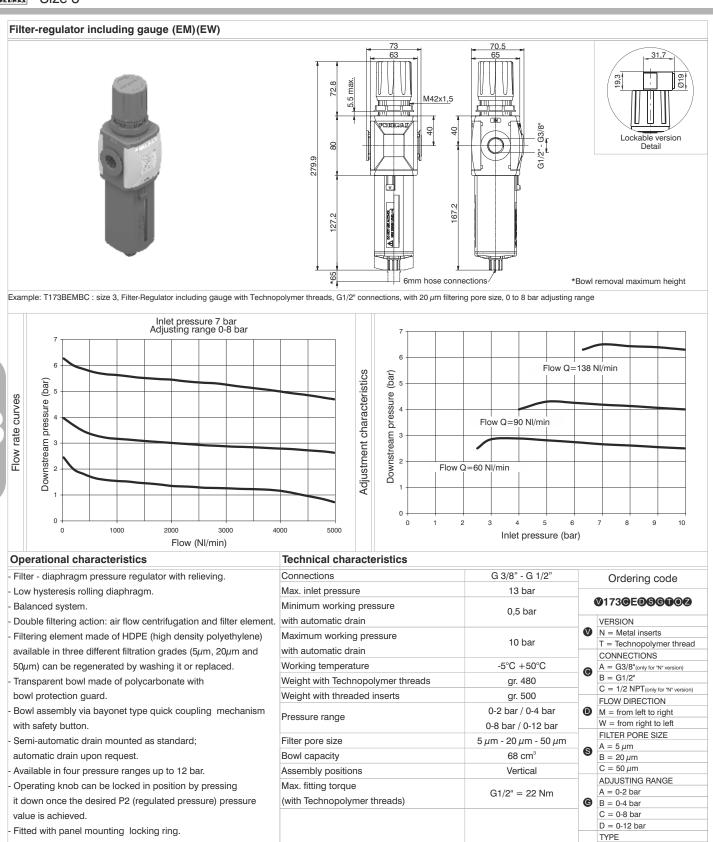
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Example : T173BEBC : size 3, Filter-regulator with Technopolymer threads, G1/2" connections, 20 µm filtering pore size, 0 to 8 bar adjusting range









- Integrated manometer 0-12 bar as standard

(for 0-8 and 0-12 bar range) and 0-4 bar (for 0-2 and 0-4 range) Note

Note The pressure must be always regulating while increasing. For a more precise regulation and higher sensibility, the use of a regulator with a pressure range as close as possible to the regulated pressure is recommended. In order to ensure adequate flow on the auto drain version it is recommended to use minimum a 6mm fitting.

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G3/8" = 25 Nm

G1/2" = 30 Nm

= Standard * S = Automatic drain

= Standard *

BOWL OPTIONS

= Standard *

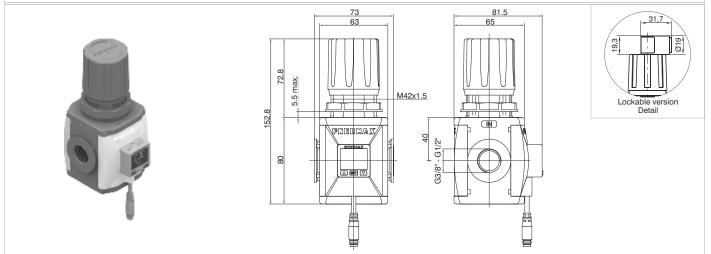
N = Nylon bowl

K = Lockable version

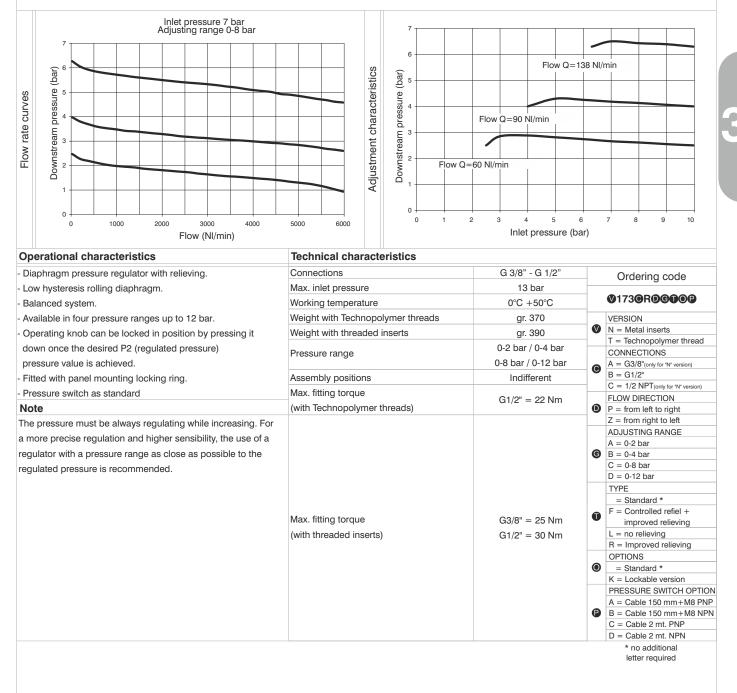
* no additional letter required

OPTIONS

Regulator with pressure switch (RP)(RZ)



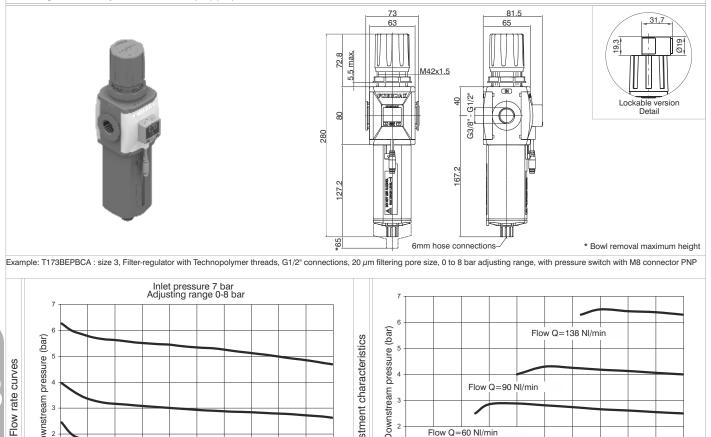
Example : T173BRPCA : size 3, Regulator with Technopolymer threads, G1/2" connections, 0 to 8 bar adjusting range, with pressure switch with M8 connector PNP







Filter regulator with pressure switch (EP)(EZ)



| | | | | | 6 | | | | | | | | | | | - |
|--|---|---------------------|-------|-------|---------------------------|--------------------------------|---------------|--|--|--------------------------|--|----------------------|---------|-------------------|-------|----------|
| | | | 9 | ဂ္ပ | Downstream pressure (bar) | | | | | Flo | w Q=13 | 38 NI/n | nin | | | |
| Downstream pressure (bar) | | | ;+ ;; | Istic |) e [| | | | | | | | | | | |
| Surger State Sta | | | 1 | iter | nsse | | | | | | | | | | | |
| w w w w w w w w w w w w w w w w w w w | | | | liac | 4 Pre | 1 | | Elow | Q=90 | W/min | | | | | | 1 |
| | Adjustment characteristics Downstream pressure (ba | | | | sam s | | | FIOW | Q_90 | | | | | | | |
| | | | + | ü | Istre | | | / | | | | | | | | |
| | | | | Ĕ | LMO 2 | | Flow O | =60 NI/n | | | | | | | | - |
| | | | | snĺ | Õ | | | | | | | | | | | |
| 1 | | | 4 | Ad | 1 | | | | | | | | | | | |
| | | | | | 0 | | | | | | | | | | | |
| 0 | | | | | - | 0 | 1 | 2 | 3 | 4 | 5 6 | 1 6 | 7 | 8 | 9 1 | -1 10 |
| 0 1000 2000 3000 Flow (NI/min) | 4000 | 500 | 0 | | | | | | Inle | t press | ure (ba | r) | | | | |
| | Teebr | | boro | oto | ristics | | | | | | | | | | | |
| perational characteristics | | | nara | cie | eristics | • | | | 0.0/01 | 0.14 | 0" | | | | | |
| ilter - diaphragm pressure regulator with relieving. | Conne | | | | | | | | | - G 1/2 | 2" | _ | Ord | ering | code | |
| ow hysteresis rolling diaphragm. | | nlet pres | | | | | | | 13 | 8 bar | | 01730E0800002 | | | | 00 |
| Balanced system. | | um worl | • • | | sure | | | | 0, | 5 bar | | | | | | _ |
| Double filtering action: air flow centrifugation and filter element | | | | | | 10 bar | | | VERSION V = Metal inserts | | | | | | | |
| iltering element made of HDPE (high density polyethylene) | Maximum working pressure | | | | | | | | - | T = Technopolymer thread | | | | | | |
| vailable in three different filtration grades (5 μ m, 20 μ m and | with automatic drain | | | | | | | CONNECTIONS | | | | | | | | |
| 0 μ m) can be regenerated by washing it or replaced. | | Working temperature | | | | 0°C +50°C | | | $\Theta = \frac{A = G3/8"(only for "N" version)}{B = G1/2"}$ | | | | | | | |
| ransparent bowl made off polycarbonate with | Weight with Technopolymer threads | | | | gr. 480 | | | C = 1/2 NPT(only for "N" version) | | | ion) | | | | | |
| owl protection guard. | Weight with threaded inserts | | | | | gr. 500 | | | FLOW DIRECTION | | | | | | | |
| Bowl assembly via bayonet type quick coupling mechanism | Pressure range | | | | 0-2 bar / 0-4 bar | | | $\mathbf{D} = \text{from left to right}$ | | | | | | | | |
| vith safety button. | | | | | 0-8 bar / 0-12 bar | | | Z = from right to left FILTER PORE SIZE | | | | | | | | |
| Semi-automatic drain mounted as standard; | Filter pore size | | | | | 5 μm - 20 μm - 50 μm | | | A = 5 μ m | | | | | | | |
| utomatic drain upon request | Bowl capacity | | | | | 68 cm ³ | | | | $B = 20 \mu m$ | | | | | | |
| vailable in four pressure ranges up to 12 bar. | Assembly positions | | | | | Vertical | | | C = 50 μm ADJUSTING RANGE | | | | | | | |
| Operating knob can be locked in position by pressing | Max. fitting torque | | | | | | G1/2" = 22 Nm | | | | A = 0.2 bar | | | | | |
| down once the desired P2 (regulated pressure) pressure | (with Technopolymer threads) | | | | | | | | G | G B = 0-4 bar | | | | | | |
| alue is achieved. | | | | | | | | | | | C = 0.8 bar $D = 0.12 bar$ | | | | | |
| itted with panel mounting locking ring. | | | | | | | | | | TYPE | | | | | | |
| Pressure switch as standard | | | | | | | | | | | | = Standard * | | | | |
| ote | | | | | | | | | | | | | S = Aut | | drain | |
| ne pressure must be always regulating while increasing. For | Max. fitting torque (with threaded inserts) | | | | | G3/8" = 25 Nm G1/2" = 30 Nm | | | | OPTIONS = Standard * | | | | | | |
| more precise regulation and higher sensibility, the use of a | | | | | | | | | - | K = Loo | kable v | | | | | |
| gulator with a pressure range as close as possible to the | | | | | | | | | | | | ITCH OF | | | | |
| gulated pressure is recommended. In order to ensure | | | | | | | | | | e | A = Cable 150 mm+M8 B = Cable 150 mm+M8 | | | | | |
| dequate flow on the auto drain version it is recommended to | | | | | | | | | | | | - | C = Ca | ble 2 mt | . PNP | |
| use minimum a 6mm fitting. | | | | | | | | | | | | | D = Ca | | | |
| - | | | | | | | | | | | | 2 | BOWL (| OPTION ndard * | S | |
| | | | | | | | | | | | | 9 | N = Ny | | | |







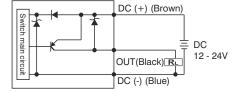


CHARACTERISTICS

- 3 color digital LCD display, easy readout
- 4 units of measurement for pressure indication
- PNP and NPN output
 N.O. and N.C. output contact
- Not available individually, but only with a Regulator or a Filter-regulator

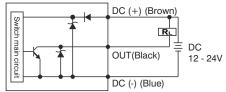
OUTPUT CIRCUIT WIRING DIAGRAMS

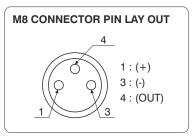
PNP output

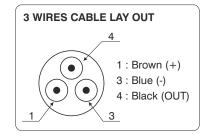


NPN output

Connector







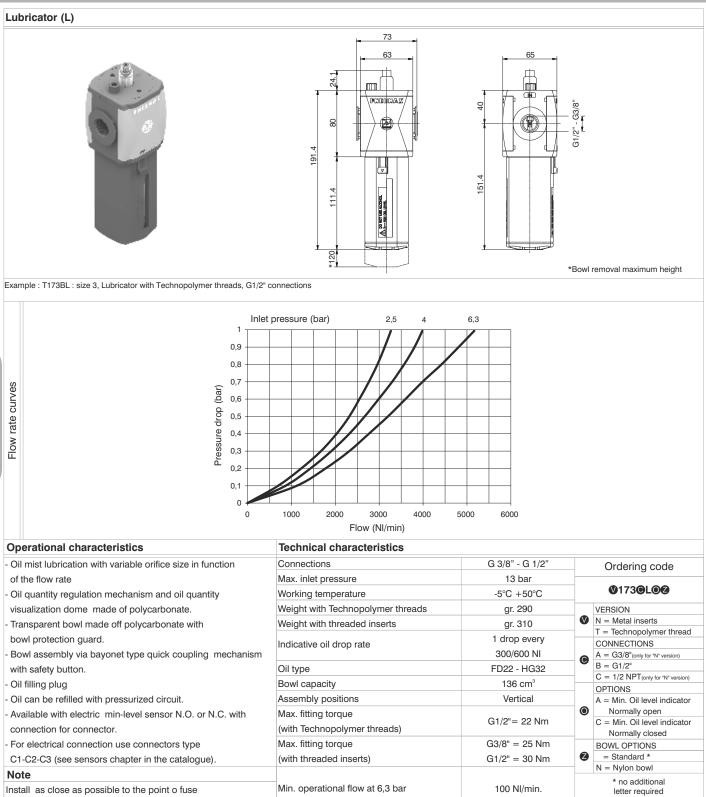
Cable ordering code

| MCH1 | cable 3 wires I=2,5m with M8 connector |
|------|--|
| MCH2 | cable 3 wires I=5m with M8 connector |
| MCH3 | cable 3 wires I=10m with M8 connector |

| TECHNICAL CHARACTERISTICS | | | | | |
|--------------------------------|---|--|--|--|--|
| Adjusting range | 0 - 10 bar / 0 - 1MPa | | | | |
| Max. inlet pressure | 15 bar / 1,5 MPa | | | | |
| Fluid | Filtered and dehumidified air | | | | |
| Display unit of measurement | MPa - kgf/cm ² - bar - psi | | | | |
| Supply voltage | 12 - 24 VDC | | | | |
| Current consumption | ≤40mA (without load) | | | | |
| Digital output type | NPN - PNP | | | | |
| Type of contact | Normally Open - Normally Closed | | | | |
| Max. load current | 125 mA | | | | |
| Digital output activation mode | single threshold with fixed hysteresis - window with fixed hysteresis - window without hysteresis | | | | |
| Digital output activation time | 0.05s - 0.25s - 0.5s - 1s - 2s - 3s (selections for chattering-proof function) | | | | |
| Display characteristics | Double 3 1/2 digit display Digital output status indication Three-pushbuttons touchpad | | | | |
| Indicator accuracy | ≤±2% F.S. ± 1 digit | | | | |
| Protection grade | IP 40 | | | | |
| Temperature | 0 - 50 °C | | | | |
| Cable section | 3 x 0,129mm ² , Ø4 mm, PVC | | | | |



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Install as close as possible to the point o fuse Do not use alcohol, deterging oils or solvents.

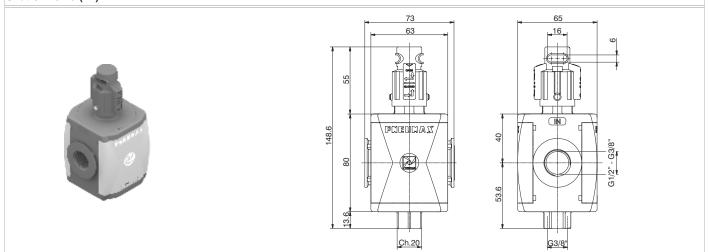


Series Airplus . Size 3

PNEUMAX

3

Shut-off valve (VL)



Example: T173BVL : size 3, Shut-off valve with Technopolymer threads, G1/2" connections

| Operational characteristics | Technical characteristics | | |
|---|-----------------------------------|-----------------|---|
| - Manual operated 3 ways poppet valve. | Connections | G 3/8" - G 1/2" | Ordering code |
| - Double handle action for valve opening: pushing and | Max. inlet pressure | 13 bar | |
| rotating (clockwise). | Discharge connection | G3/8" | Ø 173 @ VL |
| - The valve can be closed and the down stream circuit | Working temperature | -5°C +50°C | VERSION |
| depressurized by rotating anticlockwise the knob. | Weight with Technopolymer threads | gr. 230 | N = Metal inserts |
| - Knob lockable with three padlocks. | Weight with threaded inserts | gr. 250 | T = Technopolymer thread CONNECTIONS |
| | Assembly positions | Indifferent | A = G3/8"(only for "N" version) |
| | Handle opening and closing angle | 90° | B = G1/2" |
| | Max. fitting torque | G1/2" = 22 Nm | C = 1/2 NPT(only for "N" version) |
| | (with Technopolymer threads) | G1/2 = 22 Nm | |
| | Max. fitting torque | G3/8" = 25 Nm | _ |
| | (with threaded inserts) | G1/2" = 30 Nm | |
| | Nominal flow rate | 2000 NII/ | _ |
| | at 6 bar with $\Delta p = 1$ | 3600 NI/min. | |
| | Exhaust nominal flow rate | 4500 NU/min | 1 |
| | at 6 bar with $\Delta p = 1$ | 1500 NI/min. | |





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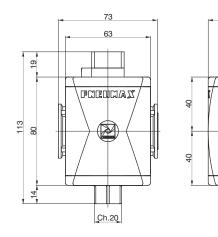
G3/8"

G3/8" - G1/2"

<u>G1/8"</u>

Pneumatic shut-off valve (VP)





Example: T173BVP : size 3, Pneumatic shut-off valve with Technopolymer threads, G1/2" connections

| Operational characteristics | Technical characteristics | | | | | | |
|--|-----------------------------------|-----------------|---|--|--|--|--|
| - Pneumatic operated 3 ways poppet valve. | Connections | G 3/8" - G 1/2" | Ordering code | | | | |
| - When the pneumatic signal is removed the | Discharge connection | G3/8" | | | | | |
| valves exhaust the pneumatic circuit | Pilot port size | G1/8" | © 173 © VP | | | | |
| | Working temperature | -5°C +50°C | VERSION | | | | |
| | Weight with technopolymer threads | gr. 254 | N = Metal inserts | | | | |
| | Weight with threaded inserts | gr. 270 | T = Technopolymer thread CONNECTIONS | | | | |
| | Assembly positions | Indifferent | A = G3/8"(only for "N" version) | | | | |
| | Min. pressure working | 2,5 bar | B = G1/2" | | | | |
| | Max. pressure working | 10 bar | C = 1/2 NPT(only for "N" version) | | | | |
| | Max. fitting torque | 01/01 00 Nor | | | | | |
| | (with Technopolymer threads) | G1/2" = 22 Nm | | | | | |
| | Max. fitting torque | G3/8" = 25 Nm | | | | | |
| | (with threaded inserts) | G1/2" = 30 Nm | | | | | |
| | Nominal flow rate | | _ | | | | |
| | at 6 bar with $\Delta p = 1$ | 3600 NI/min. | | | | | |
| | Exhaust nominal flow rate | | | | | | |
| | at 6 bar with $\Delta p = 1$ | 1500 NI/min. | | | | | |



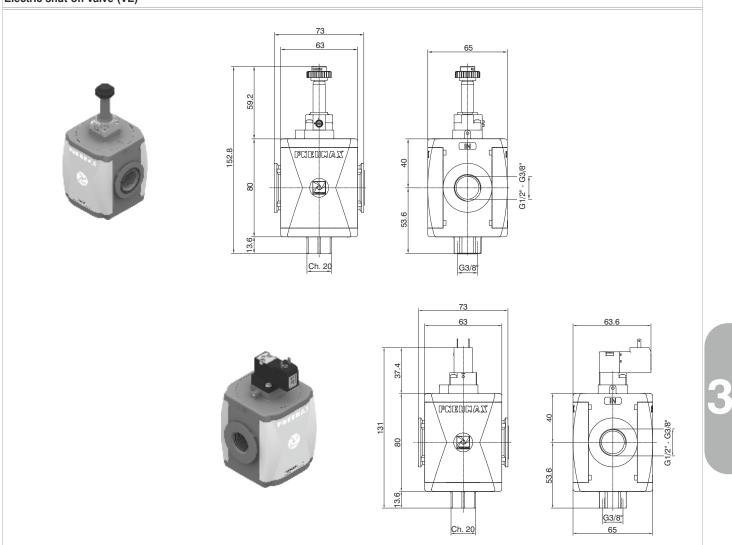
3.204



Electric shut-off valve (VE)



PREURAX



Example : T173BVEB2 : size 3, Electric shut-off valve, with M2 Pilot without coil, Technopolymer threads, G1/2" connections

| Operational characteristics | Technical characteristics | Technical characteristics | | | | | |
|---|-----------------------------------|---------------------------|---|--|--|--|--|
| Solenoid operated 3 ways poppet valve. | Supply and operating connections | G 3/8" - G 1/2" | Ordering code | | | | |
| The model fitted with 15 mm pilots uses pilots series | Discharge connections | G 3/8" | 5 | | | | |
| N33_0A and N33_0E (1 Watt) | Working temperature | -5°C +50°C | Ø 173 © VE Ø | | | | |
| | Weight with Technopolymer threads | 290 g | VERSION | | | | |
| | Weight with threaded inserts | 310 g | N = Metal inserts | | | | |
| | Assembly positions | Indifferent | T = Technopolymer threa | | | | |
| | Min. Pressure working | 2,5 bar | A = G3/8"(only for "N" version) | | | | |
| | Ŭ | , , | | | | | |
| | Max. Pressure working | 10 bar | B = G1/2" $C = 1/2 NPT(only for "N" version)$ | | | | |
| | Max. fitting torque | G1/2" = 22 Nm | 15 mm COIL VOLTAGE | | | | |
| | (with Technopolymer threads) | | A4 = 12 V DC | | | | |
| | Max. fitting torque | G3/8" = 30 Nm | A5 = 24 V DC A6 = 24 V AC (50-60 Hz | | | | |
| | (with threaded inserts) | G1/2" = 25 Nm | | | | | |
| | Nominal flow rate | 01/2 - 25 1011 | A7 = 110 V AC (50-60 H | | | | |
| | | 3600 NI/min. | A8 = 230 V AC (50-60 H A9 = 24 V DC (1 Watt) 22 mm COIL VOLTAGE | | | | |
| | at 6 bar with ∆p=1 | | | | | | |
| | | | B2 = Without coil | | | | |
| | | | M2 mechanic | | | | |
| | | | B4 - 12 V DC | | | | |
| | | | B5 = 24 V DC | | | | |
| | | | B6 = 24 V AC (50-60 Hz) | | | | |
| | Exhaust nominal flow rate | | B7 = 110 V AC (50-60 H | | | | |
| | | 1500 NI/min. | B8 = 230 V AC (50-60 H | | | | |
| | at 6 bar with ∆p=1 | | B9 = 24 V DC (2 Watt) | | | | |
| | | | 30 mm COIL VOLTAGE | | | | |
| | | | C5 = 24 V DC | | | | |
| | | | C6 = 24 V AC (50-60 Hz | | | | |
| | | | C7 = 110 V AC (50-60 H | | | | |
| | | | C8 = 230 V AC (50-60 H | | | | |
| | | | C9 = 24 V DC (2 Watt) | | | | |

