Filter-Regulator (E) 48 31,7 40 19,3 4 M30x1.5 ╨╥┼┰┖ Lockable version Detail 27.5 52 202 20.5 g *40 * 6mm hose connections *Bowl removal maximum height Example : T171BEBC : size 1, Filter-regulator with Technopolymer threads, G1/4" connections, 20 µm filtering pore size, 0 to 8 bar adjusting range Inlet pressure 7 bar Adjusting range 0-8 bar









*Bowl removal maximum height

G3/8

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

* 65



6mm hose connections

- Filter - diaphragm pressure regulator with relieving.
- Low hysteresis rolling diaphragm.
- Balanced system.
- Double filtering action: air flow centrifugation and filter element.
- Filtering element made of HDPE (high density polyethylene)
available in three different filtration grades (5 μ m, 20 μ m and
50 μ m) can be regenerated by washing it or replaced.
- Transparent bowl made off polycarbonate with
bowl protection guard.
- Bowl assembly via bayonet type quick coupling mechanism

- Bowl assembly via bayonet type quick coupling mechanism with safety button.
- Semi-automatic drain mounted as standard; automatic drain upon request.
- Available in four pressure ranges up to 12 bar.
- Operating knob can be locked in position by pressing
- it down once the desired P2 (regulated pressure) pressure value is achieved.
- Fitted with panel mounting locking ring.

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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Air service units

Filter-Regulator (E)





*Bowl removal maximum height

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Example : N174BEBC : size 4, Filter-regulator, G1" connections, 20 µm filtering pore size, 0 to 8 bar adjusting range



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G1/8"

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M54x1.5

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5.5 MAX

52.5

209

6mm hose connections

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5

Operational characteristics

Technical characteristics

- Filter - diaphragm pressure regulator with relieving.	Connections	G1"	Ordering code		
- Low hysteresis rolling diaphragm.	Max. inlet pressure	13 bar			
- Balanced system.	Minimum working pressure	0.5 bar	N174BE SGOO		
- Double filtering action: air flow centrifugation and filter element.	with automatic drain	0,0 54		FILTER PORE SIZE	
- Filtering element made of HDPE (high density polyethylene)	Maximum working pressure		ຨ	A = 5 μm	
available in three different filtration grades (5 μ m, 20 μ m and	with automatic drain	10 bar	Ŭ	$B = 20 \mu m$	
50μ m) can be regenerated by washing it or replaced.	Working temperature	-5°C +50°C		ADJUSTING RANGE	
- Transparent bowl made off polycarbonate with	Pressure gauge connections	G 1/8"		A = 0-2 bar	
howl protection quard	Weight	1450 (ar)	G	B = 0-4 bar	
Dowl accomply via beyond type quick coupling mechanism		0.2 bor / 0.4 bor		C = 0.8 bar	
- Bowi assembly via bayonet type quick coupling mechanism	Pressure range	0-2 bar / 0-4 bar		D = 0.12 dar	
with safety button.		0-8 bar / 0-12 bar	•	I YPE	
 Semi-automatic drain mounted as standard; 	Filter pore size	5 μm - 20 μm - 50 μm	•	S = Automatic drain	
automatic drain upon request.	Bowl capacity	90 cm ³		OPTIONS	
- Available in four pressure ranges up to 12 bar.	Assembly positions	Vertical	۲	= Standard(without options)	
- Operating knob can be locked in position by pressing			┣──	K = Lockable version	
it down once the desired P2 (regulated pressure) pressure					
value is achieved.					
- Fitted with panel mounting locking ring.					
Note	7				
The pressure must be always regulating while increasing. For	Wall fixing screw	M8			
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.					

Series Airplus Size 1



3





Example: T171BEMBC : size 1, Filter-Regulator including gauge with Technopolymer threads, G1/4" connections, with 20 µm filtering pore size, 0 to 8 bar adjusting range



Operational characteristics

Technical characteristics

operational characteristics						
- Filter - diaphragm pressure regulator with relieving.	Connections	G 1/8" - G 1/4"	Ordering code			
- Low hysteresis rolling diaphragm.	Max. inlet pressure	13 bar				
- Balanced system.	Minimum working pressure	0,5 bar		0 171 6E06600		
- Double filtering action: air flow centrifugation and filter element.	with automatic drain			VERSION		
- Filtering element made of HDPE (high density polyethylene)	Maximum working pressure	10 hor	V	N = Metal inserts		
available in three different filtration grades (5 μ m, 20 μ m and	with automatic drain	TU Dar		I = lechnopolymer thread		
50 μ m) can be regenerated by washing it or replaced.	Working temperature	-5°C +50°C	0	A = G1/8"(only for "N" version)		
- Transparent bowl made off polycarbonate with	Weight with Technopolymer threads	gr. 200	U	B=G1/4"		
bowl protection quard.	Weight with threaded inserts	gr. 210		C = G1/4" NPT(only for "N" version)		
- Bowl assembly via bayonet type quick coupling mechanism	_	0-2 bar / 0-4 bar	D	FLOW DIRECTION M = from left to right		
with safety button	Pressure range	0-8 bar / 0-12 bar	-	W = from right to left		
- Semi-automatic drain mounted as standard:	Filter nore size	5 µm - 20 µm - 50 µm		FILTER PORE SIZE		
	Rowl capacity	19 cm ³	6	$A = 5 \mu m$		
				$B = 20 \mu m$ C = 50 μm		
- Available in four pressure ranges up to 12 bar.	Assembly positions	Vertical		ADJUSTING BANGE		
 Operating knob can be locked in position by pressing 	Max. fitting torque	G1/4" = 9 Nm		A = 0.2 bar		
it down once the desired P2 (regulated pressure) pressure	(with Technopolymer threads)		G	B = 0-4 bar		
value is achieved.				C = 0-8 bar		
- Fitted with panel mounting locking ring.	Max. fitting torque			D = 0-12 bar		
- Integrated manometer 0.12 bar as standard				TYPE		
(for 0.8 and 0.12 har range) and 0.4 her (for 0.2 and 0.4 range)		G1/8" = 15 Nm	U	= Standard S = Automatic drain		
			۲	OPTIONS		
Note				= Standard(without options)		
The pressure must be always regulating while increasing. For	(with threaded inserts)	G1/4" = 20 Nm		K = Lockable version		
a more precise regulation and higher sensibility, the use of a		arrow arro				
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.						

Air service units

Series Airplus Size 2

PNEUMAS

Filter-regulator including gauge (EM)(EW) 62.5 57 62 53 31,7 Ø19 19,3 71.8 5.5 max. , , , , M42x1.5 AUGE 3100 шп ШT Lockable version Detail A CONDENCE 34 G3/8" - G1/4' 89 240.9 V I35.1 101.1 11 *50 6mm hose connections *Bowl removal maximum height

Example: T172BEMBC : size 2, Filter-Regulator including gauge with Technopolymer threads, G3/8" connections, with 20 µm filtering pore size, 0 to 8 bar adjusting range



Connections	G 1/4" - G 3/8"	Ordering code		
Max. inlet pressure	13 bar			
Minimum working pressure	0.5 bar	0 172 6E09600		
with automatic drain	0,0 641		VERSION	
Maximum working pressure		V	N = Metal inserts	
with automatic drain	10 bar		T = Technopolymer thread	
Working tomporature	5°C 1 50°C			
	-5 C +50 C	Θ	A = G1/4"(only for "N" version) B = G2/8"	
Weight with Technopolymer threads	gr. 400		C = G3/8" NPT(only for "N" version)	
Weight with threaded inserts	gr. 410		FLOW DIRECTION	
Propouro rongo	0-2 bar / 0-4 bar	D	M = from left to right	
Pressure range	0-8 bar / 0-12 bar		W = from right to left	
Filter pore size	5 µm - 20 µm - 50 µm		FILTER PORE SIZE	
Bowl capacity	24 cm ³	6	$A = 5 \mu m$	
bowi capacity	34 UII		$B = 20 \mu m$ C = 50 μm	
Assembly positions	Vertical		$\Delta D \parallel ST \parallel ST \parallel S A N G E$	
Max. fitting torque	$C^{2}/0^{\parallel} = 16 \text{ Mm}$		A = 0.2 bar	
(with Technopolymer threads)	$G_{0}/O = 10$ MIII	G	B = 0-4 bar	
			C = 0-8 bar	
			D = 0-12 bar	
		Û	TYPE	
			= Standard S - Automatic drain	
ar range) and 0-4 bar (for 0-2 and 0-4 range)			OPTIONS	
Max fitting torque	G1/4" = 20 Nm	$oldsymbol{O}$	= Standard(without options)	
(with threaded inserts)	$G_{2}/9^{"} = 25 \text{ Nm}$		K = Lockable version	
(with threaded inserts)	G3/0 - 23 NIII			
	Connections Max. inlet pressure Minimum working pressure with automatic drain Maximum working pressure with automatic drain Working temperature Weight with Technopolymer threads Weight with threaded inserts Pressure range Filter pore size Bowl capacity Assembly positions Max. fitting torque (with Technopolymer threads) Max. fitting torque (with threaded inserts)	ConnectionsG 1/4" - G 3/8"Max. inlet pressure13 barMinimum working pressure $0,5$ barwith automatic drain10 barMaximum working pressure10 barwith automatic drain $-5^{\circ}C + 50^{\circ}C$ Weight with Technopolymer threadsgr. 400Weight with threaded insertsgr. 410Pressure range $0-2$ bar / $0-4$ bar $0-8$ bar / $0-12$ barFilter pore size $5 \mu\text{m} - 20 \mu\text{m} - 50 \mu\text{m}$ Bowl capacity $34 c\text{m}^3$ Assembly positionsVerticalMax. fitting torque (with Technopolymer threads)G3/8" = 16 NmMax. fitting torque (with threaded inserts)G3/8" = 25 Nm	ConnectionsG 1/4" - G 3/8"Max. inlet pressure13 barMinimum working pressure $0,5$ barwith automatic drain10 barMaximum working pressure10 barWorking temperature $-5^{\circ}C + 50^{\circ}C$ Weight with Technopolymer threadsgr. 400Weight with threaded insertsgr. 410Pressure range $0-2$ bar / $0-4$ bar $0-8$ bar / $0-12$ barFilter pore size $5 \ \mu m - 20 \ \mu m - 50 \ \mu m$ Bowl capacityAssembly positionsVerticalMax. fitting torque (with Technopolymer threads)G3/8" = 16 NmMax. fitting torque (with threaded inserts)G1/4" = 20 Nm G3/8" = 25 Nm	

3

Air service units

Series Airplus Size 3

PNEUMAS

3



Example: T173BEMBC : size 3, Filter-Regulator including gauge with Technopolymer threads, G1/2" connections, with 20 µm filtering pore size, 0 to 8 bar adjusting range



Operational characteristics	lecinical characteristics			
- Filter - diaphragm pressure regulator with relieving.	Connections	G 3/8" - G 1/2"	Ordering code	
- Low hysteresis rolling diaphragm.	Max. inlet pressure	13 bar	g	
- Balanced system.	Minimum working pressure	0.5 bar		0 173 0E09600
- Double filtering action: air flow centrifugation and filter element.	with automatic drain	0,0 541		VERSION
- Filtering element made of HDPE (high density polyethylene)	Maximum working pressure	10 h = 1	۷	N = Metal inserts
available in three different filtration grades (5 μ m, 20 μ m and	with automatic drain	10 bar		T = Technopolymer thread
50μ m) can be regenerated by washing it or replaced.	Working temperature	-5°C +50°C	~	A = G3/8"(only for "N" version)
- Transparent bowl made of polycarbonate with	Weight with Technopolymer threads	gr. 480	9	B = G1/2"
bowl protection guard.	Weight with threaded inserts	ar. 500		C = G1/2" NPT(only for "N" version)
- Bowl assembly via bayonet type quick coupling mechanism	_	0-2 bar / 0-4 bar	D	FLOW DIRECTION M = from left to right
with safety button	Pressure range	0-8 bar / 0-12 bar	-	W = from right to left
Semi-automatic drain mounted as standard:	Filter pore size	5 µm - 20 µm - 50 µm		FILTER PORE SIZE
	Paul especity	ομπ 20μπ ουμπ	6	$A = 5 \mu m$
automatic drain upon request.	Bowi capacity	68 CM	-	$B = 20 \mu m$
 Available in four pressure ranges up to 12 bar. 	Assembly positions	Vertical		$C = 50 \mu\text{m}$
- Operating knob can be locked in position by pressing	Max. fitting torque	$G1/0^{\parallel} = 00 \text{ Nm}$		ADJUSTING RANGE A = 0.2 bar
it down once the desired P2 (regulated pressure) pressure	(with Technopolymer threads)	$G_{1/2} = 22$ NIII	G	B = 0.4 bar
value is achieved.			-	C = 0-8 bar
- Fitted with panel mounting locking ring.				D = 0-12 bar
- Integrated manometer 0-12 bar as standard			•	TYPE
(for 0-8 and 0-12 bar range) and 0-4 bar (for 0-2 and 0-4 range)			U	S = Automatic drain
				OPTIONS
Note	Max. fitting torgue	G3/8" = 25 Nm	$oldsymbol{O}$	= Standard(without options)
The pressure must be always regulating while increasing. For	(with threaded inserts)	G1/2" = 30 Nm		K = Lockable version
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.				

Series Airplus Size 4

Filter-regulator including gauge (EM)(EW)



Example: N174BEMBC : size 4, Filter-regulator including gauge, G1" connections, with 20 µm filtering pore size, 0 to 8 bar adjusting range





Operational characteristics

Technical characteristics

•					
- Filter - diaphragm pressure regulator with relieving.	Connections	G1"	Ordering code		
- Low hysteresis rolling diaphragm.	Max. inlet pressure	13 bar		ordoning codo	
- Balanced system.	Minimum working pressure	0.5 bar	N174BE OSGOO		
- Double filtering action: air flow centrifugation and filter element.	with automatic drain	0,0 641		FLOW DIRECTION	
- Filtering element made of HDPE (high density polyethylene)	Maximum working pressure	101	D	M = from left to right	
available in three different filtration grades (5µm, 20µm and	with automatic drain	10 bar		W = from right to left	
50um) can be regenerated by washing it or replaced	Working temperature	-5°C +50°C		FILTER PORE SIZE $A = 5 \mu m$	
Transparent bowl made of polycarbonate with	Weight	1440 (ar)	S	$B = 20 \mu m$	
- mansparent bown made of polycarbonate with	Weight	0.0 har / 0.4 har		C = 50 μm	
bowi protection guard.	Pressure range	0-2 bar / 0-4 bar		ADJUSTING RANGE	
- Bowl assembly via bayonet type quick coupling mechanism		0-8 bar / 0-12 bar	•	A = 0.2 bar	
with safety button.	Filter pore size	5 μm - 20 μm - 50 μm	G	B = 0.4 bar	
 Semi-automatic drain mounted as standard; 	Bowl capacity	90 cm ³		D = 0.12 bar	
automatic drain upon request.	Assembly positions	Vertical		TYPE	
- Available in four pressure ranges up to 12 bar.			O	= Standard	
- Operating knob can be locked in position by pressing				S = Automatic drain	
it down once the desired P2 (regulated pressure) pressure				OPTIONS = Standard(without options)	
value is achieved.				K = Lockable version	
- Fitted with panel mounting locking ring.					
- 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)	Wall fixing screw	MQ			
Note	Wair lixing screw	IVIO			
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.					
			_		