



HZE_Air treatment units

- └ Modern design
- └ Modularity
- └ Easy assembly
- └ HZE0: G1/4" (40 mm)
HZE1: G3/8" (63 mm)
HZE2: G1/2" (80 mm)



HZE

Air treatment units



Integrated pressure gauge
standard supplied



Threaded square adaptor
for round pressure gauge
standard supplied
(optional for size 0)



Gradual starter



Shut-off valve



Lockable valve



Diverter block



Fixing accessories



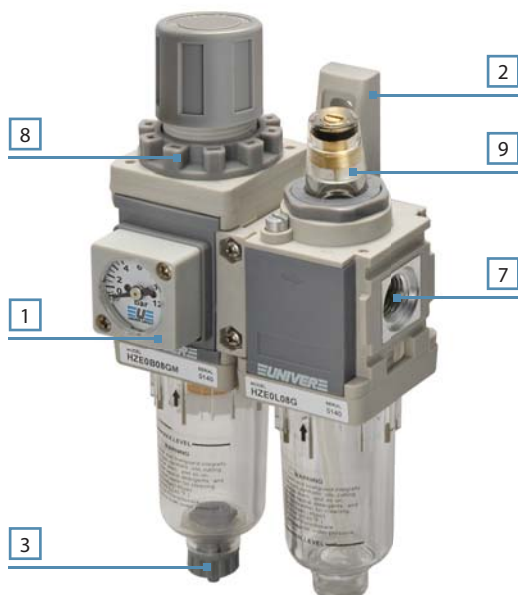
manual/semi-auto
exhaust



automatic
exhaust

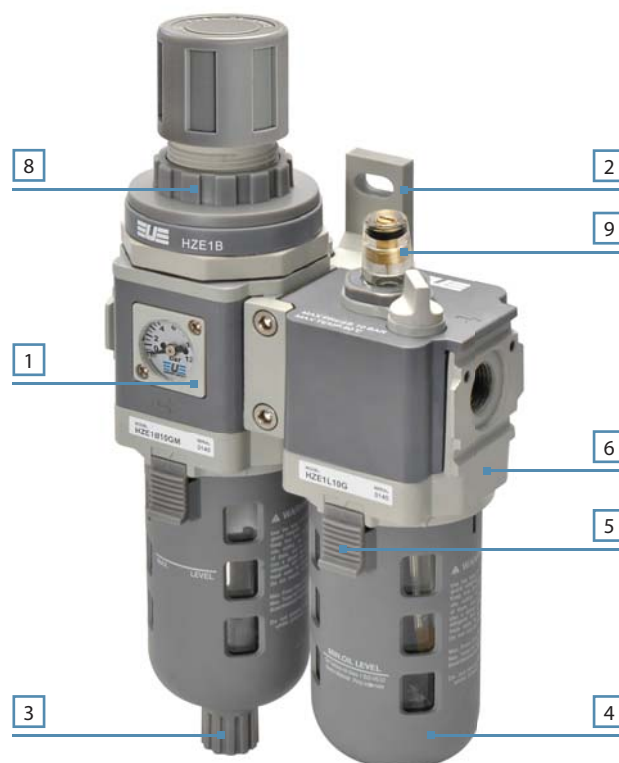
_size 0

- 1_ Integrated pressure gauge standard supplied
- 2_ T-bracket for wall mounting
- 3_ Manual exhaust
- 7_ Metal thread
- 8_ Panel ring nut standard supplied
- 9_ Transparent dome and integrated regulation



_size 1 - 2

- 1_ Integrated pressure gauge standard supplied
- 2_ T-bracket for wall mounting
- 3_ Manual exhaust
- 4_ Bowl with guard standard supplied
- 5_ Safety locking device
- 6_ Metal body
- 8_ Panel ring nut standard supplied
- 9_ Transparent dome and integrated regulation



TYPE		SIZE	POSITION	PRESSURE ADJUSTMENT		LOCKABLE REGULATOR	FILTRATION RATING		BOWL PROTECTION	CONDENSATION DRAIN			PRESSURE GAUGE	
				0,5 ÷ 8,5 bar	Altro		5 µm	40 µm		Manual	Semi-auto	Auto	Square integrated	G1/8 adaptor
D	FR+L	0	G1/4"	■	○	—	■	○	—	■	○	—	■	○
		1	G3/8"-G1/2"	■	○	○	■	○	■	■	○	○	■	■
		2	G1/2"	■	○	○	■	○	■	■	○	○	■	■
C	F+R+L	0	G1/4"	■	○	—	■	○	—	■	○	—	■	○
		1	G3/8"-G1/2"	■	○	○	■	○	■	■	○	○	■	■
		2	G1/2"	■	○	○	■	○	■	■	○	○	■	■
B	FR	0	G1/4"	■	○	—	■	○	—	■	○	—	■	○
		1	G3/8"-G1/2"	■	○	○	■	○	■	■	○	○	■	■
		2	G1/2"	■	○	○	■	○	■	■	○	○	■	■
F	F	0	G1/4"	—	—	—	■	○	—	■	○	—	—	—
		1	G3/8"-G1/2"	—	—	—	■	○	■	■	○	○	—	—
		2	G1/2"	—	—	—	■	○	■	■	○	○	—	—
R	R	0	G1/4"	■	○	—	—	—	—	■	○	—	■	○
		1	G3/8"-G1/2"	■	○	○	—	—	■	■	○	○	■	■
		2	G1/2"	■	○	○	—	—	■	■	○	○	■	■
L	L	0	G1/4"	—	—	—	—	—	—	—	—	—	—	—
		1	G3/8"-G1/2"	—	—	—	—	—	■	—	—	—	—	—
		2	G1/2"	—	—	—	—	—	■	—	—	—	—	—

■ = standard

○ = upon request

— = not available

HZE

Air treatment units

New series available in 3 sizes

- HZE0 - G1/4" (40 mm)

- HZE1 - G3/8" (63 mm)

- HZE2 - G1/2" (80 mm)

Standard configurations

- Filter

- Regulator

- Lubricator

- Filter regulator (FR)

- Filter regulator + Lubricator (FR+L)

- Filter + Regulator + Lubricator (F+R+L)

Integrated square pressure gauge standard supplied (where foreseen)



TECHNICAL CHARACTERISTICS

Ambient temperature	5 ÷ 60 °C
Fluid	compressed air, with or without lubrication
Working pressure	0 ÷ 10 bar
Max pressure	12 bar
Size	0 - 1 - 2

CONSTRUCTIVE CHARACTERISTICS

Body	tecnopolymer with metal threaded elements (size 0) die-cast aluminium (size 1 - 2)
Knob	tecnopolymer
Ring nut	tecnopolymer
Bowl	polycarbonate
Bowl guard	tecnopolymer (size 1-2)
Filter element	synthetic fibre
Seals	nitrile rubber
Springs	steel
Diaphragm	fabric reinforced rubber

CODIFICATION KEY

H	Z	E	0	B	0	8	G	M	
1	2	3	4	5	6				

1 Series	2 Size	3 Model
HZE	0 = small (G1/4") 1 = medium (G3/8" - G1/2") 2 = large (G1/2")	B = Filter regulator C = Filter+Regulator+Lubricator (F+R+L) D = Filter regulator+Lubricator (FR+L) F = Filter L = Lubricator R = Regulator

4 Port	5 Pressure gauge	6 Filtration
08G = G1/4" (tg.0) 10G = G3/8" (tg.1) 15G = G1/2" (tg.1 - 2)	blank = port G1/8 (upon request only for size 0) M = integrated square pressure gauge (standard)	blank = 5 micron (standard) su richiesta = other filtration ratings

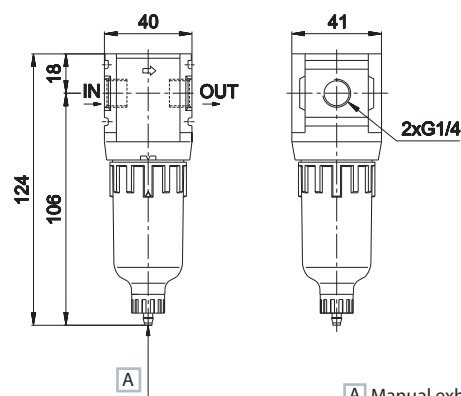
Size 0: G1/8 thread optional (code HZE7Z480)

Size 1 - 2: G1/8 square adaptor included for round pressure gauge mounting

Size	0	1	2
Part no.	HZE0F08G	HZE1F10G	HZE1F15G
Threaded port	G1/4	G3/8	G1/2
Filtration rating (μm)	5	5	5
Flow rate (NI/min) ^(A)	1100	3500	6500
Max inlet pressure (bar-MPa-psi)	10 - 1 - 145	10 - 1 - 145	10 - 1 - 145
Fluid	compressed air	compressed air	compressed air
Temperature ($^{\circ}\text{C}$)	0 ÷ 60	0 ÷ 60	0 ÷ 60
Condensation drain capacity (cm ³)	12	45	80
Condensation drain	manual	manual	manual
Weight (Kg)	0,10	0,31	0,55
Mounting position	vertical	vertical	vertical

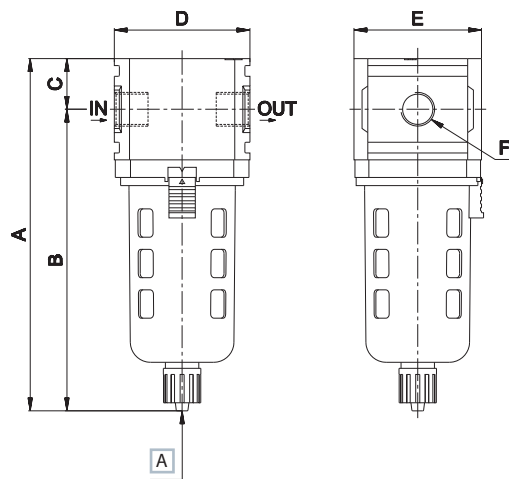
(A) = inlet pressure 6 bar, outlet pressure 5 bar - Δp 1 bar

HZE0F08G



A Manual exhaust

HZE1F10G - HZE1F15G / HZE2F15G



A Manual exhaust

size	A	B	C	D	E	F
1	180	157	23	63	63	G3/8-G1/2
2	195	172	23	80	80	G1/2

Size	0	1	2
Part no.	HZE0R08GM	HZE1R10GM	HZE1R15GM
Threaded port	G1/4	G3/8	G1/2
Flow (l/min) (A)	1000	2100	4300
Max inlet pressure (bar-MPa-psi)	10 - 1 - 145	10 - 1 - 145	10 - 1 - 145
Pressure adjustment relieving (bar) (D)	0,5 ÷ 8,5	0,5 ÷ 8,5	0,5 ÷ 8,5
Pressure gauge (standard supplied)	HZ9464G	HZ9464G	HZ9464G
Pressure gauge port	G1/8 (B)	G1/8 (C)	G1/8 (C)
Fluid	aria filtrata	aria filtrata	aria filtrata
Temperature (°C)	0 ÷ 60	0 ÷ 60	0 ÷ 60
Weight (Kg)	0,16	0,45	0,70
Mounting position	vertical/horizontal	vertical/horizontal	vertical/horizontal

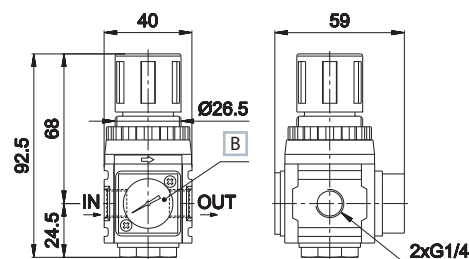
(A) = inlet pressure 6 bar, outlet pressure 5 bar - Δp 1 bar

(B) = optional (replace HZ9464G gauge with G1/8 adaptor HZE7Z480 to be ordered separately)

(C) = standard (replace HZ9464G gauge with G1/8 adaptor HZE7Z480 placed on the back side)

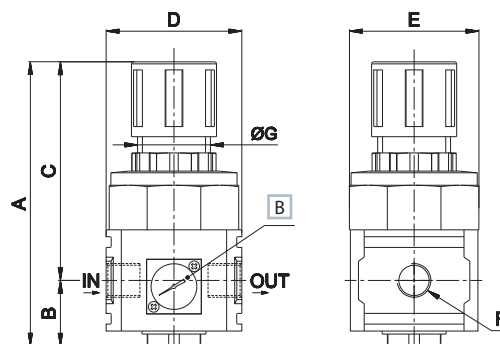
(D) = setting option 2 bar - 4 bar

HZE0R08GM



B HZ9464G gauge
standard supplied

HZE1R10GM - HZE1R15GM / HZE2R15GM



B HZ9464G gauge
standard supplied

size	A	B	C	D	E	F	G
1	136	32,5	103,5	63	63	G3/8-G1/2	40
2	145	34,5	110,5	80	80	G1/2	47

> Lockable regulator size 1 - 2



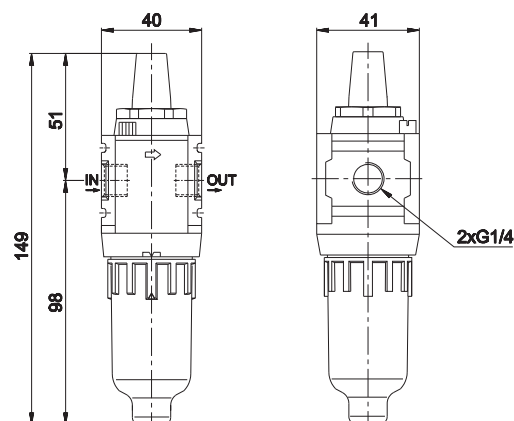
size	Part no.
1	HZE1RL10GM - HZE1RL15GM
2	HZE2RL15GM

Lock not included

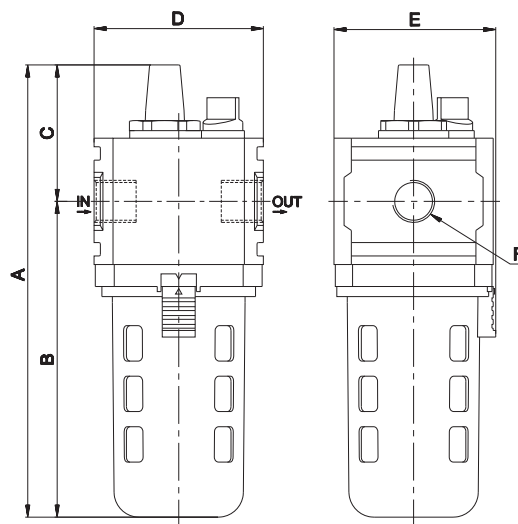
Size	0	1		2
Part no.	HZE0L08G	HZE1L10G	HZE1L15G	HZE2L15G
Threaded port	G1/4	G3/8	G1/2	G1/2
Flow (l/min) (A)	1400	4400		7000
Max inlet pressure (bar-MPa-psi)	10-1-145	10-1-145		10-1-145
Fluid	filtered air	filtered air		filtered air
Temperature (°C)	0 ÷ 60	0 ÷ 60		0 ÷ 60
Bowl capacity (cm ³)	20	85		170
Weight (Kg)	0,10	0,31		0,46
Mounting position	vertical	vertical		vertical
Recommended oil	ISO VG 32	ISO VG 32		ISO VG 32
Minimum working flow (l/min)	25	30		65

(A) = inlet pressure 6 bar, outlet pressure 5 bar - Δp 1 bar

HZE0L08G



HZE1L10G - HZE1L15G / HZE2L15G



size	A	B	C	D	E	F
1	182,5	130	52,5	63	63	G3/8-G1/2
2	201,5	148	53,5	80	80	G1/2

Size	0	1	2
Part no.	HZE0B08GM	HZE1B10GM	HZE1B15GM
Threaded port	G1/4	G3/8	G1/2
Filtration rating (µm)	5	5	5
Flow l/min (A)	600	2300	4500
Max inlet pressure (bar-MPa-psi)	10-1-145	10-1-145	10-1-145
Pressure adjustment by relieving (bar) (D)	0,5 ÷ 8,5	0,5 ÷ 8,5	0,5 ÷ 8,5
Pressure gauge (standard supplied)	HZ9464G	HZ9464G	HZ9464G
Pressure gauge port	G1/8(B)	G1/8(C)	G1/8(C)
Fluid	compressed air	compressed air	compressed air
Temperature (°C)	0 ÷ 60	0 ÷ 60	0 ÷ 60
Condensation drain capacity (cm3)	12	45	80
Condensation drain	manual	manual	manual
Weight (Kg)	0,21	0,65	1,00
Mounting position	vertical	vertical	vertical

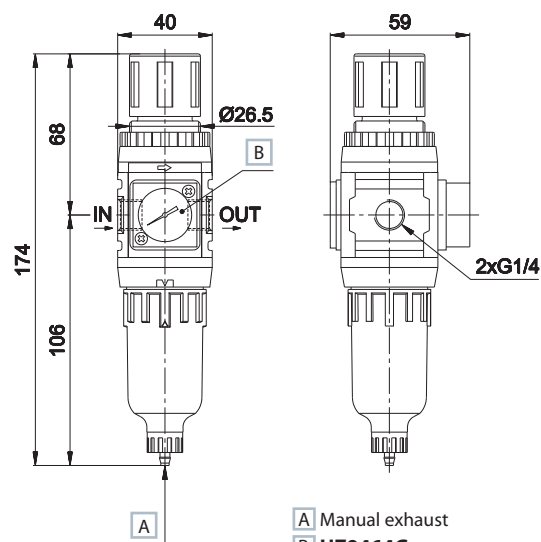
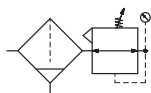
(A) = inlet pressure 6 bar, outlet pressure 5 bar - Δp 1 bar

(B) = optional (replace HZ9464G gauge with G1/8 adaptor HZE7Z480 to be ordered separately)

(C) = standard (replace HZ9464G gauge with G1/8 adaptor HZE7Z480 placed on the back side)

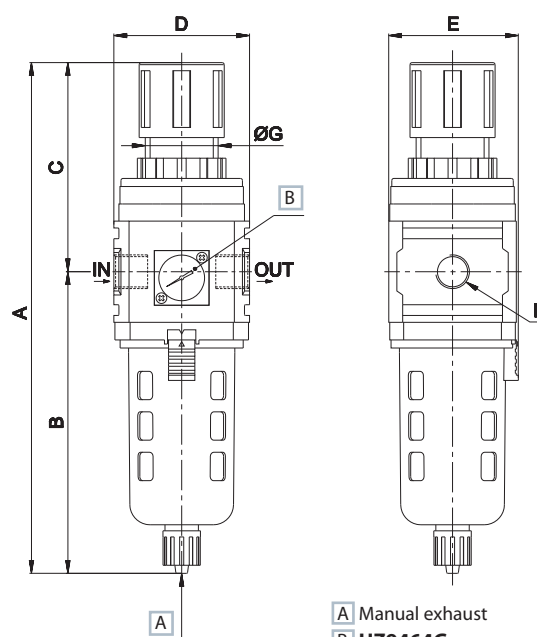
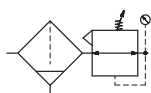
(D) = setting option 2 bar - 4 bar

HZE0B08GM



A Manual exhaust
B HZE9464G gauge standard supplied

HZE1B10GM - HZE1B15GM / HZE2B15GM



A Manual exhaust
B HZE9464G gauge standard supplied

size	A	B	C	D	E	F	G
1	259	156	103	63	63	G3/8-G1/2	40
2	280	170	110	80	80	G1/2	47

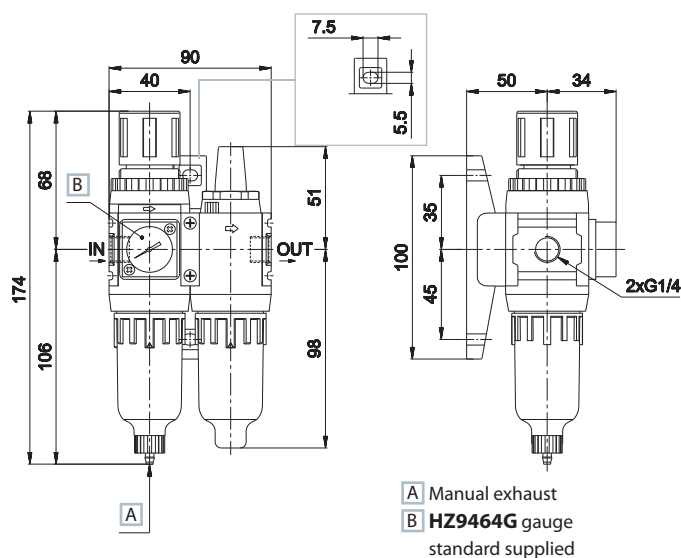
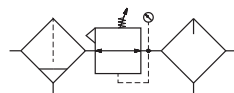
size	0	1	2
Part no.	HZE0D08GM	HZE1D10GM	HZE1D15GM
Threaded port	G1/4	G3/8	G1/2
Filtration rating (µm)	5	5	5
Flow l/min (A)	600	2800	4300
Max inlet pressure (bar-MPa-psi)	10-1-145	10-1-145	10-1-145
Pressure adjustment by relieving (bar)	0,5 ÷ 8,5	0,5 ÷ 8,5	0,5 ÷ 8,5
Pressure gauge (standard supplied)	HZ9464G	HZ9464G	HZ9464G
Pressure gauge port	G1/8 ^(B)	G1/8 ^(C)	G1/8 ^(C)
Fluid	compressed air	compressed air	compressed air
Temperature (°C)	0 ÷ 60	0 ÷ 60	0 ÷ 60
Condensation drain capacity (cm3)	12	45	80
Condensation drain	manual	manual	manual
Weight (Kg)	0,33	1,05	1,55
Mounting position	vertical	vertical	vertical
Recommended oil	ISO VG 32	ISO VG 32	ISO VG 32
Minimum working flow (l/min)	25	30	65

(A) = inlet pressure 6 bar, outlet pressure 5 bar - Δp 1 bar

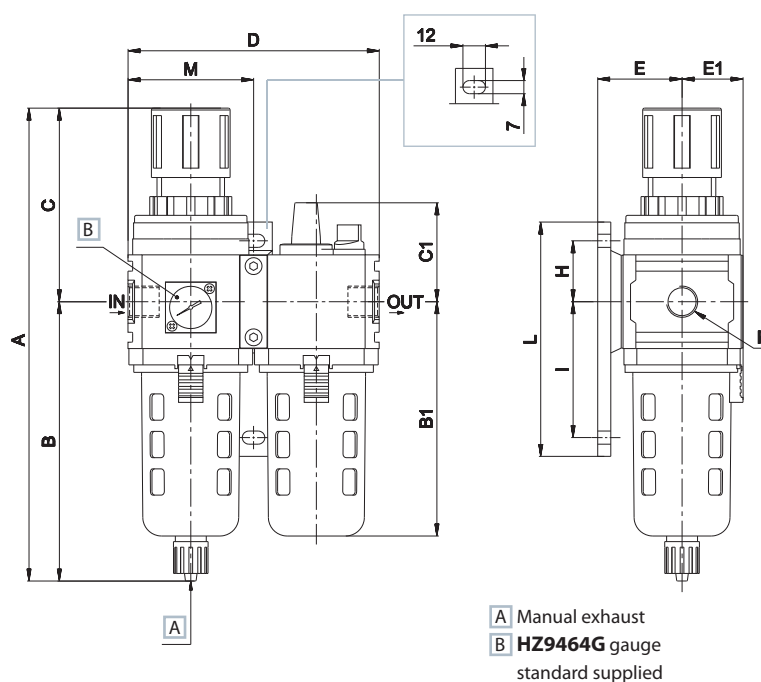
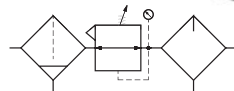
(B) = optional (replace HZ9464G gauge with G1/8 adaptor HZE7Z480 to be ordered separately)

(C) = standard (replace HZ9464G gauge with G1/8 adaptor HZE7Z480 placed on the back side)

HZE0D08GM



HZE1D10GM - HZE2D15GM



size	A	B	B1	C	C1	D	E	E1	F	H	I	L	M
1	259	156	130	103	52,5	126	45	31,5	G3/8-G1/2	45	60	125	63
2	280	170	148	110	53,5	160	55	40	G1/2	45	60	125	80

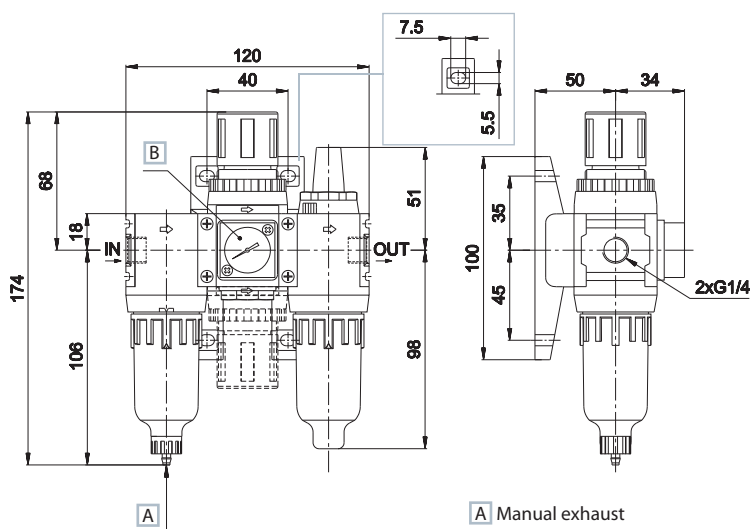
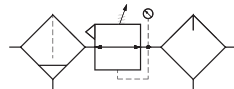
size	0	1	2
Part no.	HZE0C08GM	HZE1C10GM	HZE1C15GM
Threaded port	G1/4	G3/8	G1/2
Filtration rating (µm)	5	5	5
Flow NI/min ^(A)	550	1700	2500
Max inlet pressure (bar-MPa-psi)	10-1-145	10-1-145	10-1-145
Pressure adjustment by relieving (bar)	0,5 ÷ 8,5	0,5 ÷ 8,5	0,5 ÷ 8,5
Pressure gauge (standard supplied)	HZ9464G	HZ9464G	HZ9464G
Pressure gauge port	G1/8 ^(B)	G1/8 ^(C)	G1/8 ^(C)
Fluid	compressed air	compressed air	compressed air
Temperature (°C)	0 ÷ 60	0 ÷ 60	0 ÷ 60
Condensation drain capacity (cm3)	12	45	80
Condensation drain	manual	manual	manual
Weight (Kg)	0,40	1,25	1,90
Mounting position	vertical	vertical	vertical
Recommended oil	ISO VG 32	ISO VG 32	ISO VG 32
Minimum working flow (l/min)	25	30	65

(A) = inlet pressure 6 bar, outlet pressure 5 bar - Δp 1 bar

(B) = optional (replace HZ9464G gauge with G1/8 adaptor HZE7Z480 to be ordered separately)

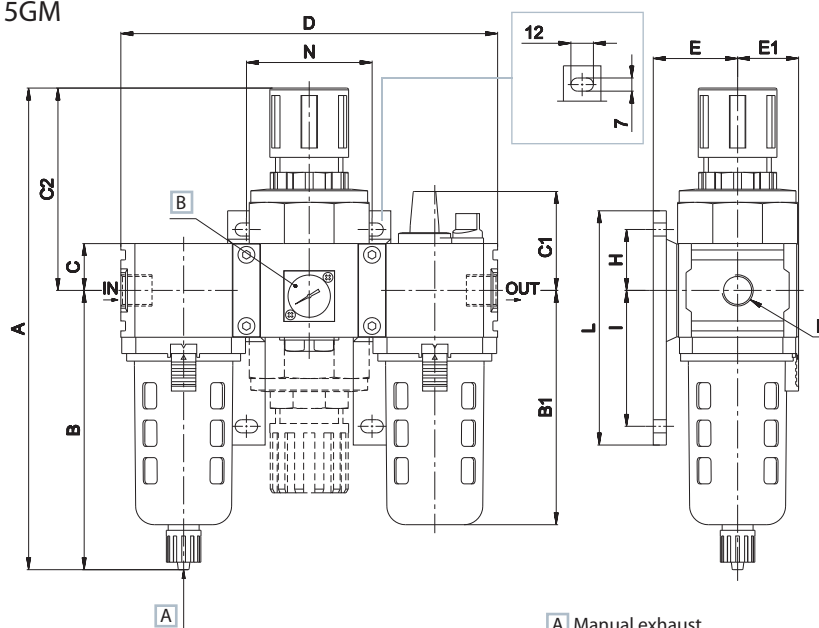
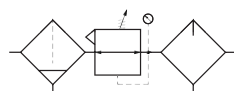
(C) = standard (replace HZ9464G gauge with G1/8 adaptor HZE7Z480 placed on the back side)

HZE0C08GM



A Manual exhaust
B **HZ9464G** gauge
standard supplied

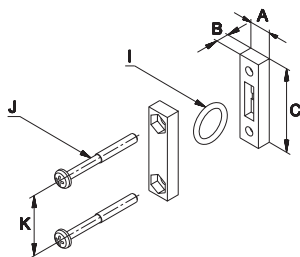
HZE1C10GM - HZE1C15GM / HZE2C15GM



A Manual exhaust
B **HZ9464G** gauge
standard supplied

size	standard supplied														
	A	B	B1	C	C1	C2	D	E	E1	F	H	I	L	N	
1	260,5	157	130	23	52,5	103,5	190	45	31,5	G3/8-G1/2	45	60	125	63	
2	282.5	172	148	23	53.5	110.5	240	55	40	G1/2	45	60	125	80	

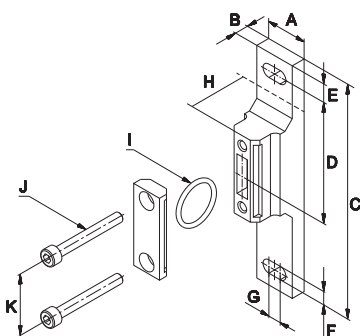
Assembly kit



size	A	B	C	ØI	J	K	Part no.
0	9,5	5,5	36	18	M3x37	26	HZE0Z200
1	15	7	44	25,7	M5x45	32	HZE1Z200
2							



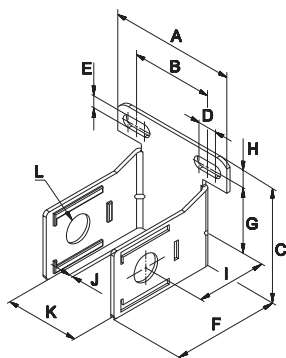
Assembly kit T-bracket



size	A	B	C	D	E	F	G	H	ØI	J	K	Part no.
0	16	7	105	35,5	10	5,5	4	25	18	M3x37	26	HZE0Z210
1	22	7	125	45	10	7	7	27	25,7	M5x45	32	HZE1Z210
2	22,5	7	125	45	10	7	7	37	25,7	M5x45	32	HZE2Z210



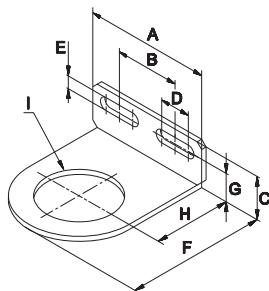
C- bracket



size	A	B	C	D	E	F	G	H	I	J	K	ØL	Part no.
0	68	44	61,5	10	6,5	60	35	8,5	40	2	40	14	HZE0Z300
1	67	34,5	76	14	7	69	45	9	45	2,3	63	25	HZE1Z300
2	84	55	93,5	14	9	102	50	11	65	2,3	80	25	HZE2Z300



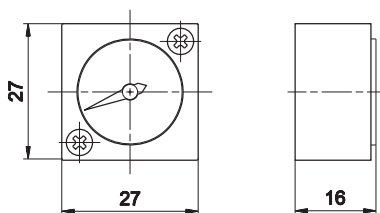
Regulator L-bracket



size	A	B	C	D	E	F	G	H	ØI	Part no.
0	68	44	24,5	10	6,5	59	16	40	26,5	HZE0Z310
1	67	34,5	26	16,5	7	76	18	45	40	HZE1Z310
2	84	55	26	16,5	7	94	18	45	47	HZE2Z310



HZ9464G



Square pressure gauge standard supplied
size 0 - 1 - 2 (0 ÷ 12 bar)
Bolt tightening torque: Max 0,6 Nm

HZE7Z480

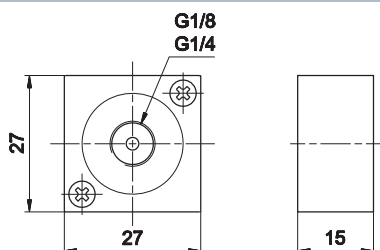
HZE7Z490



G1/8

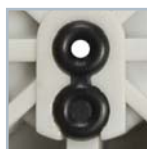


G1/4



Threaded square adaptor for round pressure gauge
Bolt tightening torque: Max 0,6 Nm

> Seal detail



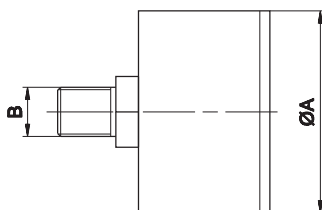
1



2

While replacing the square gauge with the threaded square adaptor, be sure that the seal is rotated like in photo no 1.

HZ9P...



Part no.	Ø A	Scale		Port - B
		bar	MPa	
HZ9P400318	40	0 - 2,5	0 - 0,25	G1/8C
HZ9P400618	40	0 - 6	0 - 0,6	G1/8C
HZ9P401018	40	0 - 10	0 - 1	G1/8C
HZ9P500314	50	0 - 2,5	0 - 0,25	G1/4C
HZ9P500614	50	0 - 6	0 - 0,6	G1/4C
HZ9P501014	50	0 - 10	0 - 1	G1/4C
HZ9P630314	63	0 - 2,5	0 - 0,25	G1/4C
HZ9P630614	63	0 - 6	0 - 0,6	G1/4C
HZ9P631014	63	0 - 10	0 - 1	G1/4C

Body: tecnopolymer

Dial: pressure inserted acrylic

Accuracy: EN 837 class 1,6 - 2,5. ASME B40.1 Grade B

Protection: IP 43

> Filter and filter regulator spare parts

Standard bowl with manual drain

Automatic drain



Size 0
HZE0Z600

Size 1
HZE1Z600

Size 2
HZE2Z600

Size 1
HZE1Z400

Size 2
HZE2Z400

Filter elements

Coalescing filter



Size 0
HZE0Z660
HZE0Z664

Size 1
HZE1Z660
HZE1Z664

Size 2
HZE2Z660
HZE2Z664

5 µm
20/50 µm

Size 1
HZE1Z670

Size 2
HZE2Z670

0,3 µm

> Lubricator spare parts

Bowl

Lubricator dome



Size 0
HZE0Z601

Size 1
HZE1Z601

Size 2
HZE2Z601

Size 0 - 1 - 2
HZE7Z470

> Regulator and filter regulator spare parts

Diaphragm assembly

Regulator spring

Panel ring nut



Size 0
HZE0Z610
HZE0Z611

Size 1
HZE1Z610
HZE1Z611

Size 2
HZE2Z610
HZE2Z611

with relieving
without relieving

Size 1
HZE1Z652
HZE1Z654
HZE1Z658

Size 2
HZE2Z652
HZE2Z654
HZE2Z658

Pressure adjustment
0,5 ÷ 1,7
0,5 ÷ 3,5
0,5 ÷ 8,5

Size 0
HZE0Z603

Size 1
HZE1Z603

Size 2
HZE2Z603

Knob



Size 0
HZE0Z602

Size 1
HZE1Z602

Size 2
HZE2Z602

 **picazo**
estanqueidad & hidráulica

P.I. Base 2000 • C/ Cuatro 13 • Lorquí 30564 • Murcia
www.picazosl.com • picazo@picazosl.com
Tel. 968 676 155 • Movil 647 668 539 • Fax 968 103 053