Air treatment units- X Series

Connections: 1/8" - 1/4"

X SERIES





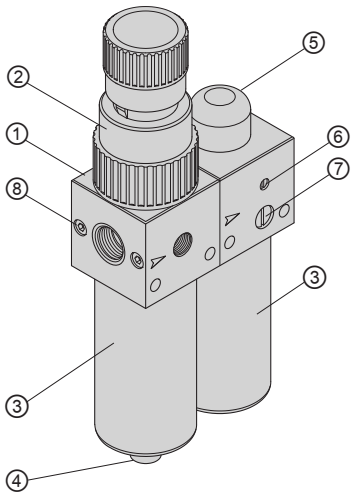
- Adjustment knob lock function
- Small footprint
- High mechanical strength
- Anodised aluminium body
  Clear trogamid bowl
- Standard or fine adjustment
- Modular assembly with interchangeable elements
- Standard or fine filtration

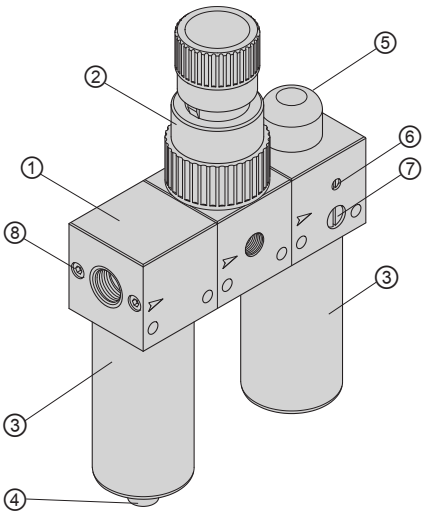
TECHNICAL CHARACTERISTICS

Functions	Filter - Pressure regulator - Lubricator					
Adjustment	Manual					
Materials	Anodised aluminium alloy body, Nylon 66 adjustment knob, clear trogamid tank Internal components in passivated brass, steel spring - Sintered bronze cartridge - NBR gaskets					
Note on materials	Compliant with REACH (1907/2006/EC and subsequent amendments)					
Connections	1/8" - 1/4" Gas					
Threads	Cylindrical gases (BSPP)					
Operating temperature	0°C ÷ +80°C (-20°C with dry air, to avoid ice formation)					
Group	Regulator filter + Lubricator	Filter + Regulator + Lubricator	Regulator filter	Regulator	Filter	Lubricator
Coding	XFRUL8 - XFRUL4	XFRL8 - XFRL4	XFRU8 - XFRU4	XR8 - XR4	XF8 - XF4	XL8 - XL4
Air flow rate Supply pressure: 6 bar (ΔP 1 bar)	365 Nl/min	400 Nl/min	365 Nl/min	400 Nl/min	400 Nl/min	650 Nl/min
Filter element	Standard: 20 µm Fine (X): 5 µm	Standard: 20 µm Fine (X): 5 µm	Standard: 20 µm Fine (X): 5	-	Standard: 20 µm Fine (X): 5	-
Adjustment range	Standard: 0.7÷12 bar Precise: 0.1÷3.5 bar	Standard: 0.7÷12 bar Precise: 0.1÷3.5 bar	Standard: 0.7÷12 bar Precise: 0.1÷3.5 bar	Standard: 0.7÷12 bar Precise: 0.1÷3.5 bar	-	-
Weight	320 g	435 g	170 g	135 g	150 g	150 g
Maximum inlet pressure	12 bar					
Fluid	Compressed air					

MATERIALS - AIR TREATMENT UNITS X SERIES

POS	DESCRIPTION	MATERIALS	POS	DESCRIPTION	MATERIALS
①	Body	Black anodised drawn aluminium	⑤	Dome	Clear trogamid
②	Regulator unit	Nylon 66 black	⑥	Adjustment screw	Passivated brass
③	Tank	Clear trogamid	⑦	Cap	Passivated brass
④	Condensate drain	Passivated brass	⑧	Screw	Galvanised steel





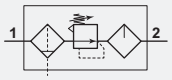
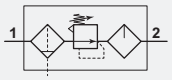
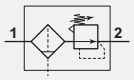
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CODING KEYS - AIR TREATMENT UNITS X SERIES

Series

X = Air treatment units - Compact

Group

FRUL = Regulator filter + Lubricator	
FRL = Filter + regulator + Lubricator	
FRU = Regulator filter	
R = Regulator	
F = Filter	
L = Lubricator	

Size

8 = 1/8" Gas
4 = 1/4" Gas

Condensate drain

NULL = Manual
A = Semi-automatic

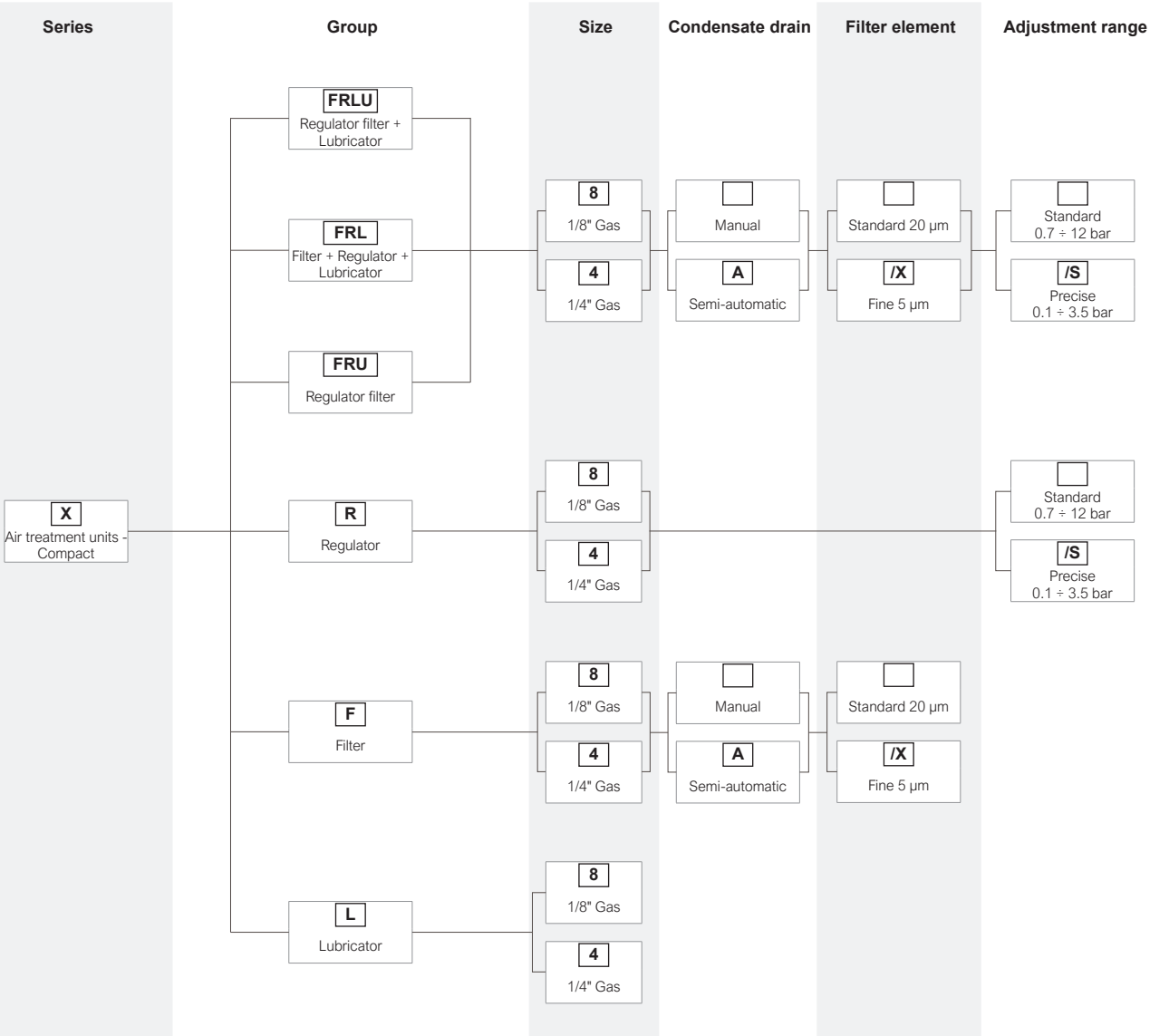
Filter element

NULL = Standard: 20 µm
/X = Fine: 5 µm

Adjustment range

NULL = Standard : 0.7 ÷ 12 bar
/S = Precise: 0.1 ÷ 3.5 bar

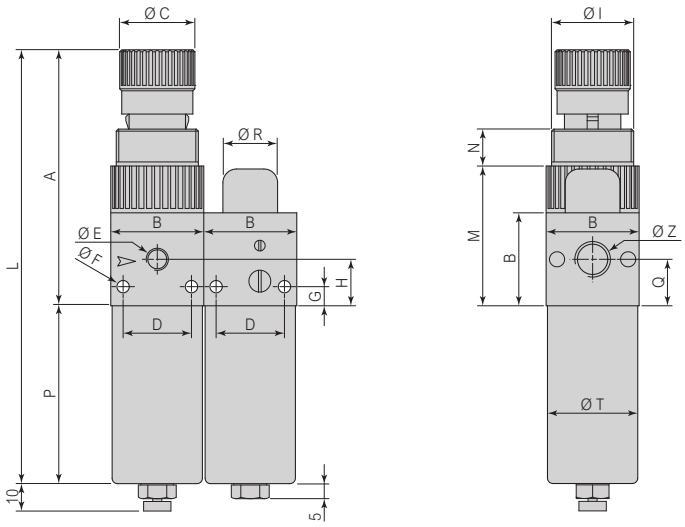
POSSIBLE CONFIGURATIONS

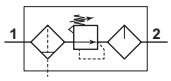


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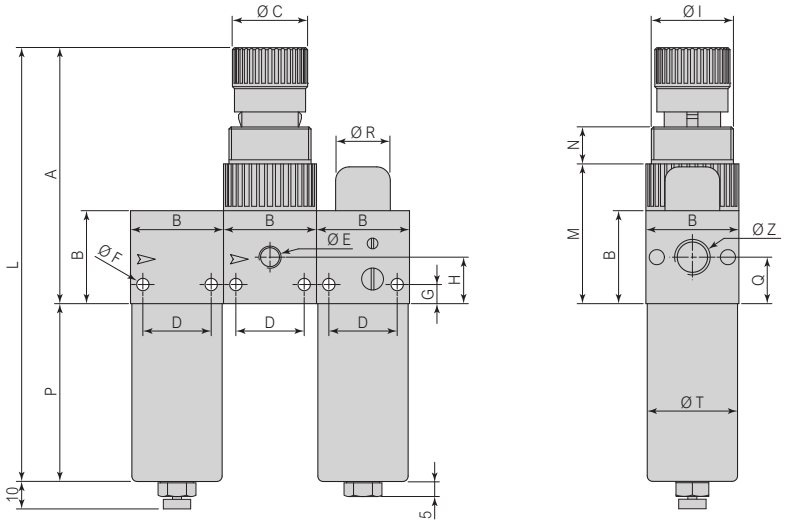
DIMENSIONS - AIR TREATMENT UNITS X SERIES

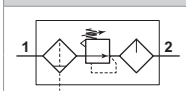
REGULATOR FILTER + LUBRICATOR



Symbol	Size - Ø Z	Code	A	B	Ø C	D	Ø E	Ø F	G	H	Ø I	L	M	N	P	Q	Ø R	Ø T
	Gas 1/8"	XFRUL8	82	34	27.5	25	Gas 1/8"	3.5	7	17	M30x1.5	148	51	13.5	66	17	20	33
	Gas 1/4"	XFRUL4	82	34	27.5	25	Gas 1/8"	3.5	7	17	M30x1.5	148	51	13.5	66	17	20	33

FILTER + REGULATOR + LUBRICATOR

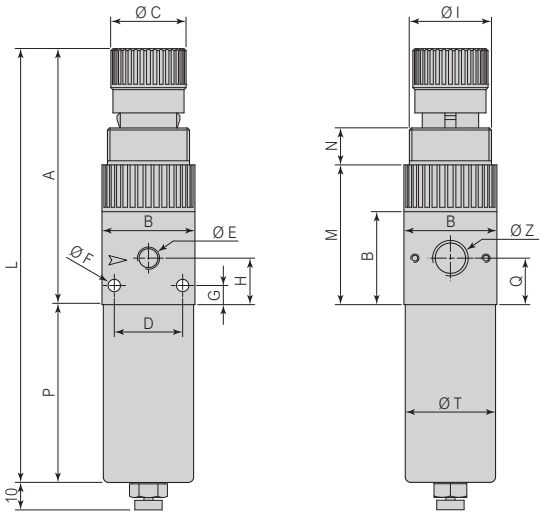


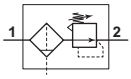
Symbol	Size - Ø Z	Code	A	B	Ø C	D	Ø E	Ø F	G	H	Ø I	L	M	N	P	Q	Ø R	Ø T
	Gas 1/8"	XFRL8	82	34	27.5	25	Gas 1/8"	3.5	7	17	M30 x 1.5	148	51	13.5	66	17	20	33
	Gas 1/4"	XFRL4	82	34	27.5	25	Gas 1/8"	3.5	7	17	M30 x 1.5	148	51	13.5	66	17	20	33

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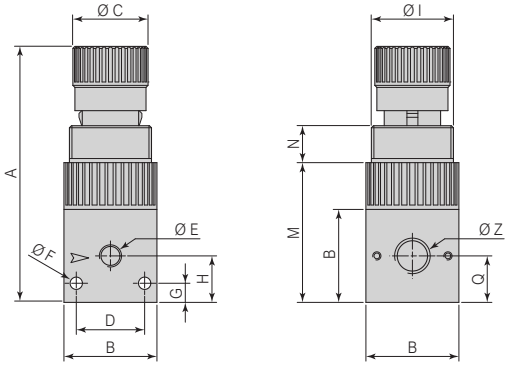
DIMENSIONS - AIR TREATMENT UNITS X SERIES

REGULATOR FILTER



Symbol	Size - Ø Z	Code	A	B	Ø C	D	Ø E	Ø F	G	H	Ø I	L	M	N	P	Q	Ø T
	Gas 1/8"	XFRU8	82	34	27.5	25	Gas 1/8"	3.5	7	17	M30 x 1.5	148	51	13.5	66	17	33
	Gas 1/4"	XFRU4	82	34	27.5	25	Gas 1/8"	3.5	7	17	M30 x 1.5	148	51	13.5	66	17	33

REGULATOR

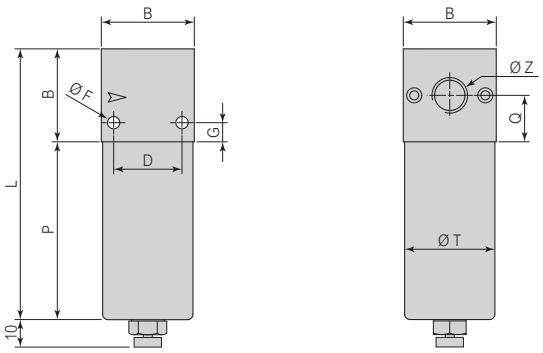


Symbol	Size - Ø Z	Code	A	B	Ø C	D	Ø E	Ø F	G	H	Ø I	M	N	Q
	Gas 1/8"	XR8	82	34	27.5	25	Gas 1/8"	3.5	7	17	M30 x 1.5	51	13.5	17
	Gas 1/4"	XR4	82	34	27.5	25	Gas 1/8"	3.5	7	17	M30 x 1.5	51	13.5	17

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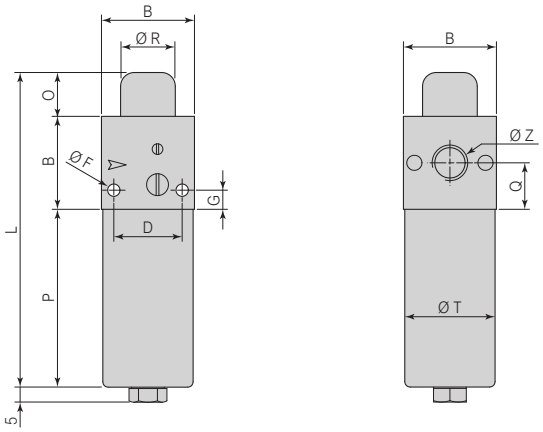
DIMENSIONS - AIR TREATMENT UNITS X SERIES

FILTER



Symbol	Size - Ø Z	Code	B	D	Ø F	G	L	P	Q	Ø T
	Gas 1/8"	XF8	34	25	3.5	7	100	66	17	33
	Gas 1/4"	XF4	34	25	3.5	7	100	66	17	33

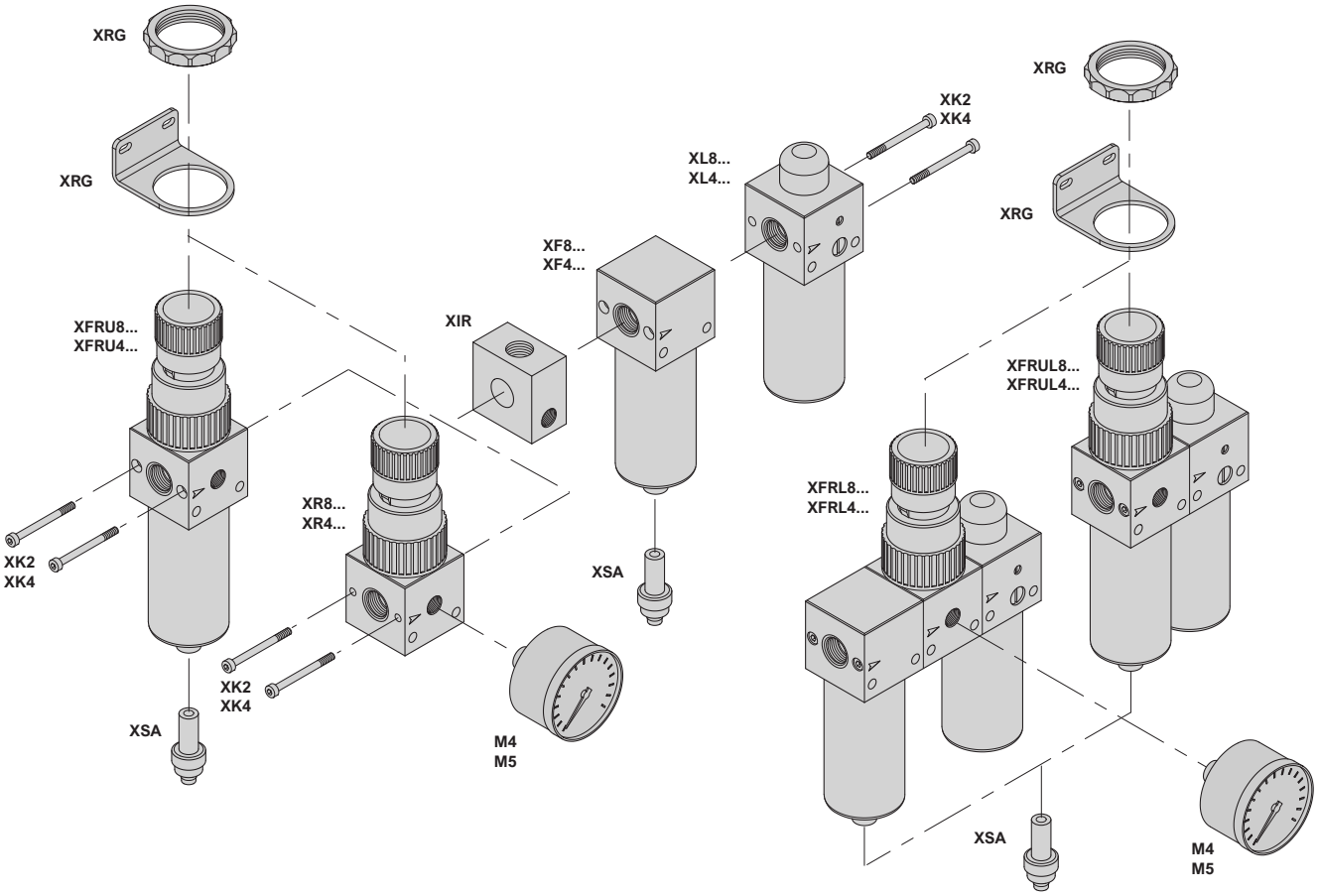
LUBRICATOR



Symbol	Size - Ø Z	Code	B	D	Ø F	G	L	O	P	Q	Ø R	Ø T
	Gas 1/8"	XL8	34	25	3.5	7	116	16	66	17	20	33
	Gas 1/4"	XL4	34	25	3.5	7	116	16	66	17	20	33

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X SERIES ACCESSORIES



	REGULATOR RING NUT For XFRU - XR - XFRL - XFRUL	FASTENING BRACKET For XFRU - XR - XFRL - XFRUL	DERIVATION INSERT For pneumatic signal sampling of the air treatment unit	PRESSURE GAUGE Dial Ø40	PRESSURE GAUGE Dial Ø50
					
Size	Page 4.1.05.7	Page 4.1.05.7	Page 4.1.05.7	Page 4.1.05.7	Page 4.1.05.7
Gas 1/8" Gas 1/4"	XRG	XSG	XIR	M4	M5
	Nylon 66 black	Galvanised steel	Anodised aluminium	Plastic dial Brass threaded connection	Plastic dial Brass threaded connection

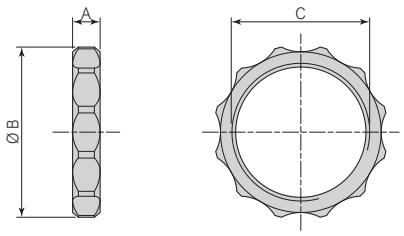
	ASSEMBLY KIT For XIR	ASSEMBLY KIT For XFRUL	ASSEMBLY KIT For XFRL - XIR	CONDENSATE DRAIN SEMI-AUTOMATIC For filter regulator and filter	
					
Size				Page 4.1.05.7	
Gas 1/8" Gas 1/4"	XKR	XK2	XK4	XSA	
	Zinc-plated steel screws NBR gaskets	Zinc-plated steel screws NBR gaskets	Zinc-plated steel screws NBR gaskets	Brass body NBR gasket	

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X SERIES ACCESSORIES

REGULATOR RING NUT

For XFRU - XR - XFRL - XFRUL

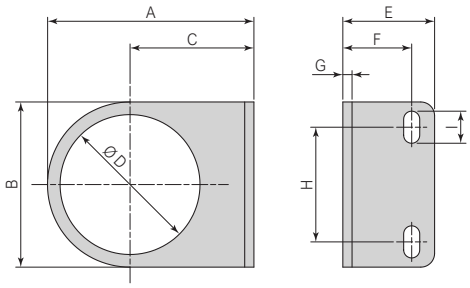


Size Air treatment unit	Code	A	Ø B	C
Gas 1/8"	XRG	6	38	M30x1.5
Gas 1/4"	XRG	6	38	M30x1.5

Black nylon 66 ring nut / 1 piece per pack

FASTENING BRACKET

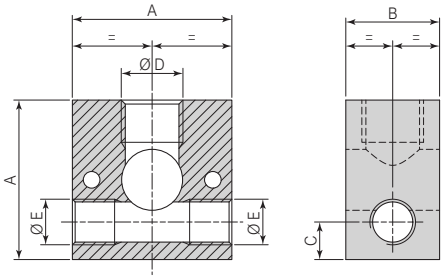
For XFRU - XR - XFRL - XFRUL



Size Air treatment unit	Code	A	B	C	Ø D	E	F	G	H	I
Gas 1/8"	XSG	45	36	27	30.5	20	15	2	25	7
Gas 1/4"	XSG	45	36	27	30.5	20	15	2	25	7

Galvanised steel bracket / 1 piece per pack

DERIVATION INSERT

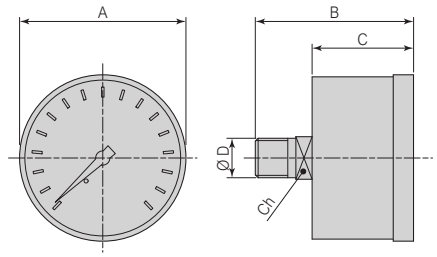


Size Air treatment unit	Code	A	B	C	Ø D	Ø E
Gas 1/8"	XIR	34	20	8	Gas 1/4"	Gas 1/8"
Gas 1/4"	XIR	34	20	8	Gas 1/4"	Gas 1/8"

Anodised aluminium insert / 1 piece per pack

PRESSURE GAUGES

Ø 40 - Ø 50 for XFRU - XR - XFRL - XFRUL

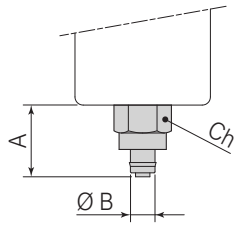


Size Air treatment unit	Code	Scale bar	A	B	C	Ø D	Ch
Gas 1/8" Gas 1/4"	M 4 04	0 ÷ 4	40	37	24.5	Gas 1/8"	12
	M 4 06	0 ÷ 6					
	M 4 10	0 ÷ 10					
	M 4 12	0 ÷ 12					
Gas 1/8" Gas 1/4"	M 5 04	0 ÷ 4	50	46	27.5	Gas 1/8"	14
	M 5 10	0 ÷ 10					
	M 5 12	0 ÷ 12					

Black plastic body - clear, brass threaded connection / 1 piece per pack

CONDENSATE DRAIN

Semi-automatic



Size Air treatment unit	Code	A	Ø B	Ch
Gas 1/8"	XSA	18	6	12
Gas 1/4"	XSA	18	6	12

Brass body, NBR gasket / 1 piece per pack

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