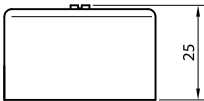
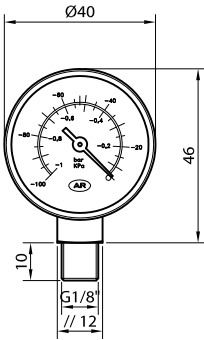


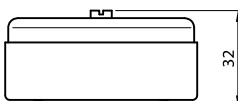
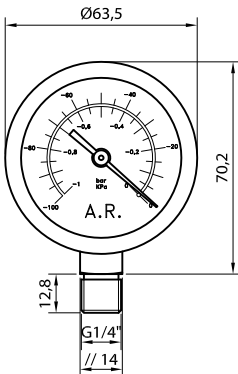
VACUÓMETROS
VACUUM GAUGES



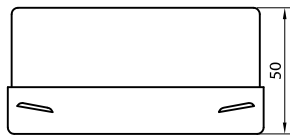
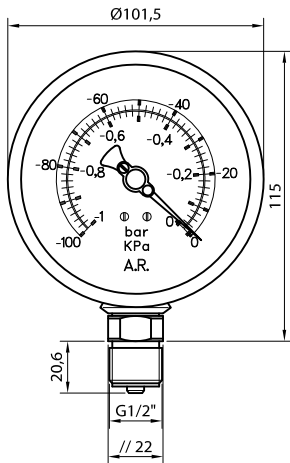
Ø40 B



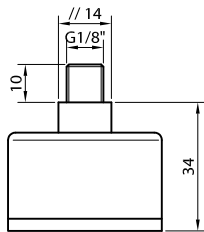
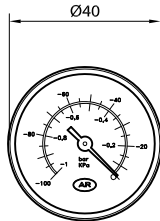
Ø65 B



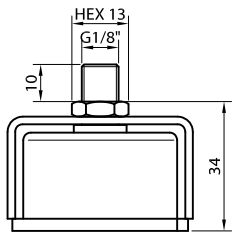
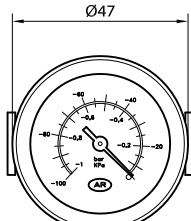
Ø100 B



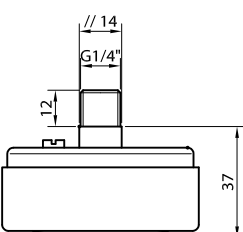
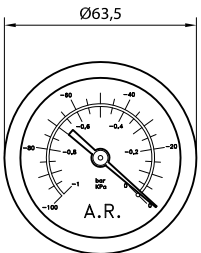
Ø40 T



Ø40 T PL



Ø65 T



CARACTERÍSTICAS • CHARACTERISTICS

Ø Esfera Ø Watch face	[mm]
Rango de escala Scale range	[bar] / [KPa]
Temperatura de trabajo Working Temperature	[°C]
Error de temperatura Temperature error	
Precisión Accuracy	
Conexión Connection	
Peso Weight	[g]

CÓMO PEDIR • HOW TO ORDER

Vacuómetro con conexión inferior Vacuum gauge with bottom connection
Vacuómetro con conexión trasera Vacuum gauge with rear connection
Vacuómetro con conexión trasera para panel Vacuum gauge with rear connection for panels
Vacuómetro de conexión trasera con glicerina Vacuum gauge with rear connection and glycerine

40
0 ... -1 / 0 ... -100
-20 ... +60°
± 0,3% FS
± 1,6% FS
G1/8"
43

65
0 ... -1 / 0 ... -100
-20 ... +60°
± 0,3% FS
± 1,6% FS
G1/4"
144

100
0 ... -1 / 0 ... -100
-20 ... +60°
± 0,3% FS
± 1,6% FS
G1/2"
489

40
0 ... -1 / 0 ... -100
-20 ... +60°
± 0,3% FS
± 1,6% FS
G1/8"
63

40
0 ... -1 / 0 ... -100
-20 ... +60°
± 0,3% FS
± 1,6% FS
G1/8"
97

65
0 ... -1 / 0 ... -100
-20 ... +60°
± 0,3% FS
± 1,6% FS
G1/4"
135

INDRB40

INDRB65

INDRB100

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INDRT40

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INDRT65

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INDRT40PL

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INDRT65GLI

MANÓMETROS Y MANO-VACUOMETROS
PRESSURE AND PRESSURE-VACUUM GAUGES



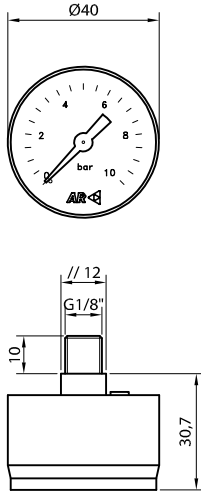
CARACTERÍSTICAS • CHARACTERISTICS

Ø Esfera Ø Watch face	[mm]
Rango de escala Scale range	[bar]
Temperatura de trabajo Working Temperature	[°C]
Error de temperatura Temperature error	
Precisión Accuracy	
Conexión Connection	
Peso Weight	[g]

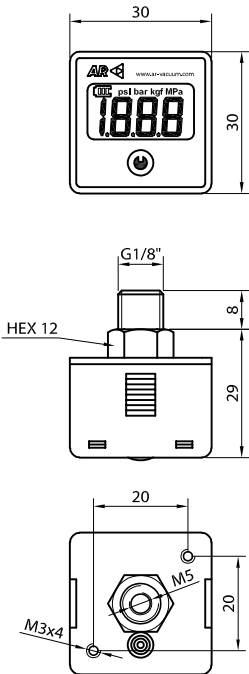
CÓMO PEDIR • HOW TO ORDER

Manómetro con conexión trasera Pressure gauge with rear connection
Mano-vacuómetro con conexión trasera Pressure-vacuum gauge with rear connection

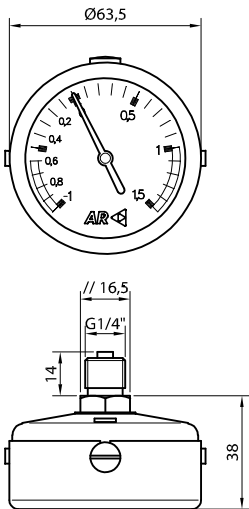
Ø40



AP 62



Ø65



Ø Esfera Ø Watch face	40	65	65
Rango de escala Scale range	0 ... +10	-1 ... +10	-1 ... +1,5
Temperatura de trabajo Working Temperature	-20 ... +60°	0 ... +50°	-20 ... +60°
Error de temperatura Temperature error	± 0,3% FS	± 2% FS	± 0,3% FS
Precisión Accuracy	± 2% FS	± 2% FS	± 2% FS
Conexión Connection	G1/8"	G1/8"	G1/4"
Peso Weight	49	40	314
Manómetro con conexión trasera Pressure gauge with rear connection	INDRTM40	--	--
Mano-vacuómetro con conexión trasera Pressure-vacuum gauge with rear connection	--	INDAP62	INDMANVAC65

SENSORES DIGITALES
DIGITAL SENSORS



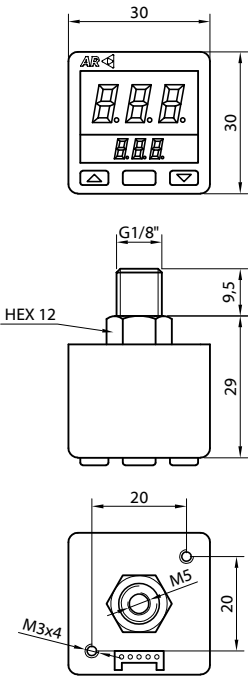
CARACTERÍSTICAS · CHARACTERISTICS

Visor principal	Main display
Visor secundario	Secondary display
Rango de presiones	Pressure range [bar]
Presión soportable	Withstand pressure [bar]
Histéresis	Hysteresis
Resolución ajuste	Setting resolution [bar]
Tensión de alimentación	Power supply [V]
Cableado	Wiring
Salidas	Outputs
Corriente de carga	Load current
Protección	Protection
Puerto de conexión	Connection port
Medios aplicables	Applicable media
Temperatura de trabajo	Working Temperature [°C]
Peso	Weight [g]

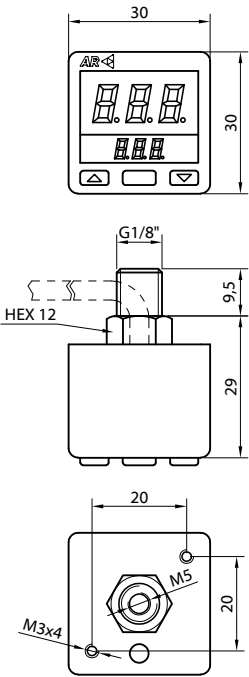
CÓMO PEDIR · HOW TO ORDER

Sensor de vacío	Vacuum sensor
Cable con conector recto M8x4 / 3 pin, longitud 2 m	Cable with straight M8x4 / 3 pin connector, length 2 m
Cable con conector codo M8x4 pin, longitud 1,5 m	Cable with elbow M8x4 pin connector, length 1,5 m
Cable con conector codo M8x4 pin, longitud 3 m	Cable with elbow M8x4 pin connector, length 3 m

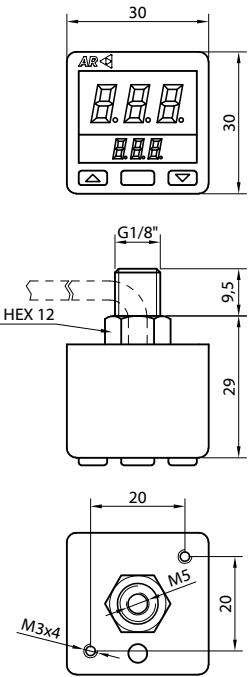
AP 51



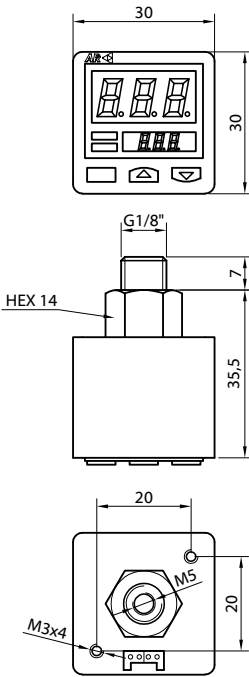
AP 51/A



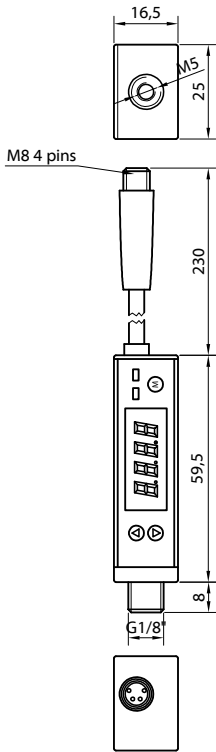
AP 52/A



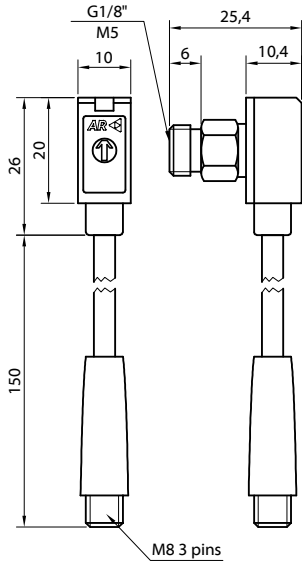
AP 41



RC 41



VEM 1/8



3 1/2 dígitos 3 1/2 digits

Sí Yes

-1 ... 0

3

Ajustable Adjustable

0,001

12 ... 24

Cable

2 PNP + 1 analog 4-20 mA

125 mA

IP40

G1/8"; M5

Aire Air

0 ... 50

50

INDAP51PNPCON

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3 1/2 dígitos 3 1/2 digits

Sí Yes

-1 ... 0

3

Ajustable Adjustable

0,001

12 ... 24

Cable

1 PNP + 1 analog 4-20 mA

125 mA

IP40

G1/8"; M5

Aire Air

0 ... 50

50

INDAP51PNPA

--

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--

3 1/2 dígitos 3 1/2 digits

Sí Yes

-1 ... 10

15

Ajustable Adjustable

0,001

12 ... 24

Cable

1 PNP + 1 analog 4-20 mA

125 mA

IP40

G1/8"; M5

Aire Air

0 ... 50

50

INDAP52PNPA

--

--

--

3 1/2 dígitos 3 1/2 digits

Sí Yes

-1 ... 1

5

Ajustable Adjustable

0,001

12 ... 24

Cable

2 x PNP

100 mA

IP40

G1/8"; M5

Aire Air

-10 ... 50

40

INDAP41PNPCON

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3 1/2 dígitos 3 1/2 digits

No

-1 ... 0

3

Ajustable Adjustable

0,001

12 ... 24

M8 x 4 pins macho male

2 x PNP

80 mA

IP40

G1/8"; M5

Aire Air

0 ... 50

35

INDRC41PNPCON

INDCBL2CON

INDCBL1.5CONC

INDCBL3CONC

LED rojo Red LED

No

-1 ... 0

6

3% F.S

--

10,8 ... 30

M8 x 3 pins macho male

1 x PNP

80 mA

IP40

G1/8"

Aire Air

0 ... 50

8,3

INDVEM1/8PNPCON

EVABUR4M8CBL2CON/C

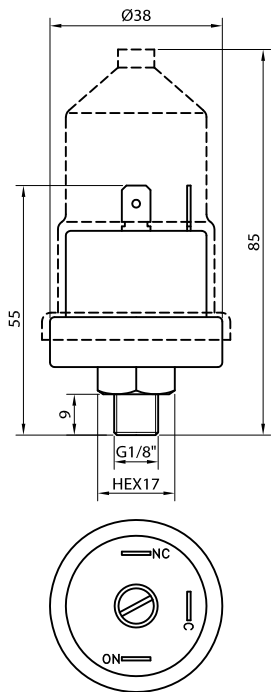
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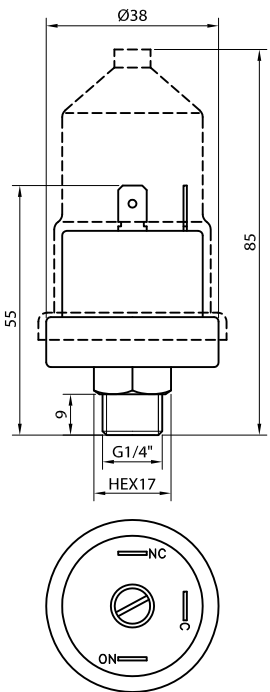
VACUOSTATOS ELECTROMECAÑICOS
ELECTROMECHANICAL VACUUM SWITCH



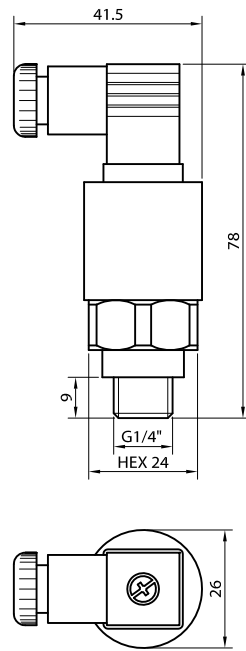
VAR 100 1/8



VAR 100 1/4



VAR 100 1/4 C1



CARACTERÍSTICAS • CHARACTERISTICS

Rango de regulación de presión	Pressure setting range	[mbar]
Función de salida	Output function	
Límites de presión de trabajo	Operation pressure limit	[bar]
Histéresis	Hysteresis	[mbar]
Tensión máxima	Max voltage	[V AC]
Corriente de carga	Load current	[mbar]
Protección	Protection	
Puerto de conexión	Connection port	
Medios aplicables	Aplicable media	
Temperatura de trabajo	Working temperature	[°C]
Peso	Weight	[g]

CÓMO PEDIR • HOW TO ORDER

Vacuostato electromecánico
Electromechanical vacuum switch

-200 ... -990

NA/NC NO/NC

-0,9 ... 10

150 ± 50

250

5 A (250 V AC)

IP40

G 1/8"

Aire Air

0 ... +50

80

INDVAR1001/8

-200 ... -990

NA/NC NO/NC

-0,9 ... 10

150 ± 50

250

5 A (250 V AC)

IP40

G 1/4"

Aire Air

0 ... +50

84

INDVAR1001/4

-700 (fijo) -700 (fixed)

NA/NC NO/NC

-0,9 ... 10

150 ± 50

250

5 A (250 V AC)

IP65

G 1/4"

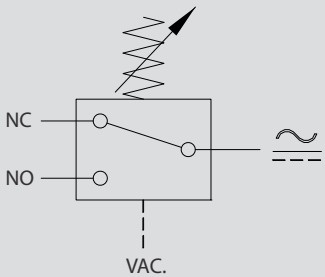
Aire Air

0 ... +50

75

INDVAR1001/4C1

ESQUEMA NEUMATICO
PNEUMATIC DIAGRAM

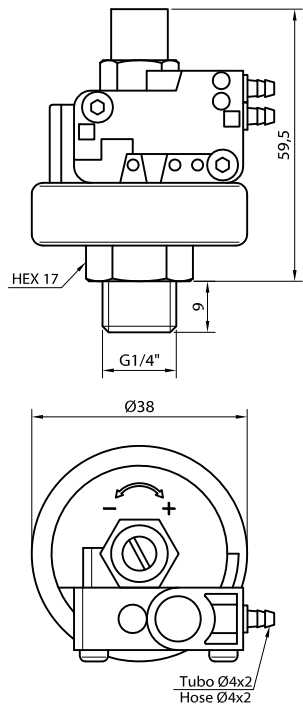


- Dispositivos de conmutación eléctrica para control de la presión de vacío.
- Utilizados en sistemas de seguridad y ahorro de energía, o en cualquier aplicación en la que sea necesario conocer si la presión de vacío se encuentra por encima o por debajo de un cierto valor.
- Punto de conmutación regulable mediante tornillo de ajuste (excepto VAR1001/4C1)
- Incluyen contacto Normalmente Abierto (NA) y Normalmente Cerrado (NC).

- Electrical commutation devices for vacuum monitoring.
- Used in security and energy saving systems or in any application in which it is necessary to know if the vacuum pressure is above or below a certain value.
- Set point is adjustable by adjustment screw (except VAR1001/4C1).
- Includes normally-opened (NA) and normally-closed (NC) contacts.

VACUOSTATOS NEUMÁTICOS
PNEUMATIC VACUUM SWITCHES

VAR 100 1/4 PN



CARACTERÍSTICAS • CHARACTERISTICS

Rango de regulación de presión	Pressure setting range	[mbar]
Límites de presión de trabajo	Operation pressure limit	[bar]
Histéresis	Hysteresis	[mbar]
Señal neumática	Pneumatic signal	[bar]
Puerto de conexión	Connection port	
Medios aplicables	Aplicable media	
Temperatura de trabajo	Working temperature	[°C]
Peso	Weight	[g]

-150 ... -950
-0,9 ... 10
150 ± 50
2 ... 8
G 1/4"
Aire Air
-10 ... +60
82

CÓMO PEDIR • HOW TO ORDER

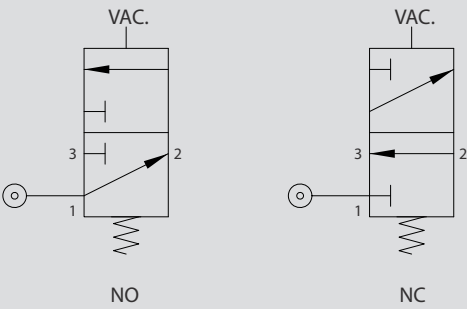
Vacuostato neumático normalmente abierto
Normally open pneumatic vacuum switch

INDVAR1001/4PNNA

Vacuostato neumático normalmente cerrado
Normally closed pneumatic vacuum

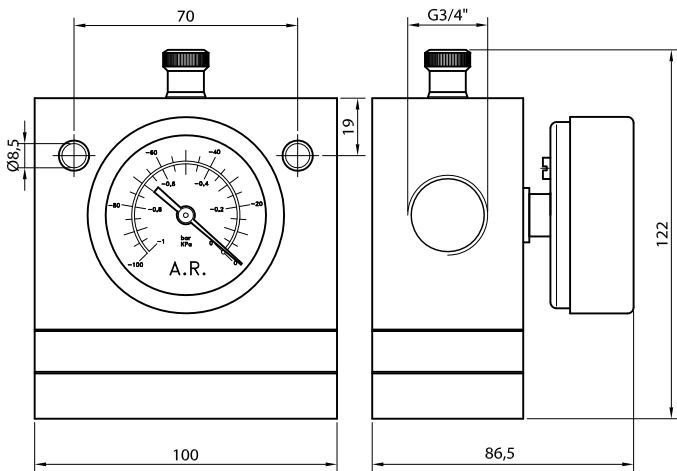
INDVAR1001/4PNNC

ESQUEMA NEUMATICO
PNEUMATIC DIAGRAM



- Dispositivos de conmutación neumática para control de la presión de vacío.
- Utilizados en sistemas de seguridad y ahorro de energía, o en cualquier aplicación en la que sea necesario conocer si la presión de vacío se encuentra por encima o por debajo de un cierto valor.
- Punto de conmutación regulable mediante tornillo de ajuste.
- Incluyen salida Normalmente Abierta (NA) y Normalmente Cerrada (NC).

- Pneumatic commutation devices for vacuum monitoring.
- Used in security and energy saving systems or in any application in which it is necessary to know if the vacuum pressure is above or below a certain value.
- Set point is adjustable by adjustment screw.
- Includes normally-opened (NA) and normally-closed (NC) outputs.



CARACTERÍSTICAS • CHARACTERISTICS

Tipo de funcionamiento	Mechanism Type	[mm]
Posición de montaje	Mounting Position	
Máximo caudal de aspiración	Max air suction flow	[m3/h]
Rango de regulación	Setting range	[mbar]
Temperatura de trabajo	Working Temperature	[°C]
Materiales Materials		
Conexión Connection		
Peso	Weight	[g]

CÓMO PEDIR • HOW TO ORDER

Regulador de vacío
Vacuum regulator

Membr-piston

Indiferente Indifferent

50

-1 ... -866

-7 ... +90

Al, Latón, NBR Al, Brass, NBR

G3/4"

1514

ECONRED3/4

VÁLVULAS LIMITADORAS PARA VACÍO
RELIEF VACUUM VALVES



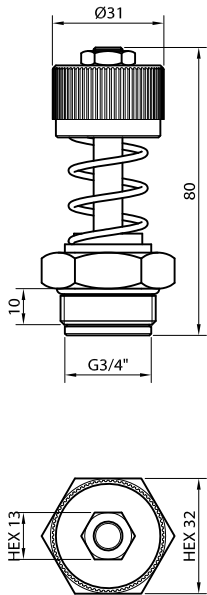
CARACTERÍSTICAS • CHARACTERISTICS

Posición de montaje	Mounting Position
Rango de regulación	Setting range [mbar]
Materiales	Materials
Conexión	Connection
Peso	Weight [g]

CÓMO PEDIR • HOW TO ORDER

Válvula limitadora para vacío
Relief vacuum valve

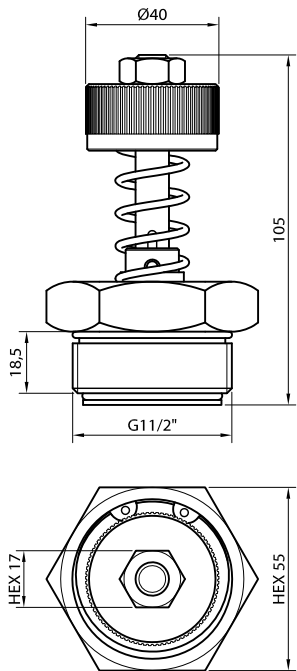
G3/4"



Indiferente	Indifferent
-900 ... -5	
AL, SS, CUZN, NBR	
G3/4"	
187	

ECONVREG3/4

G1 1/2"



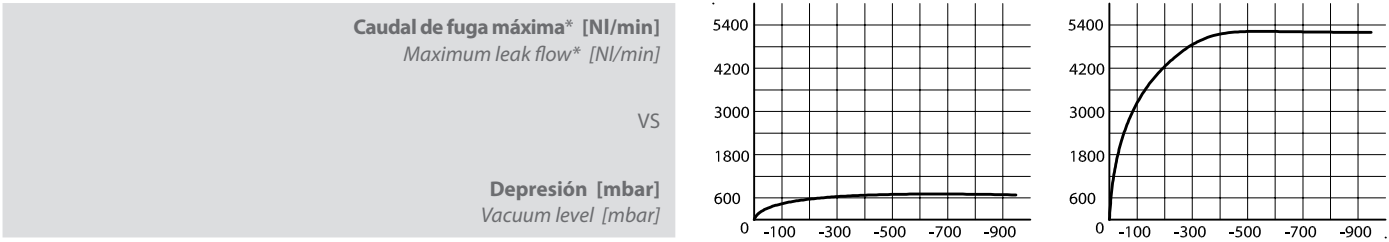
Indiferente	Indifferent
-900 ... -5	
AL, SS, CUZN, NBR	
G1 1/2"	
585	

ECONVREG11/2

G3/4"

G1 1/2"

	[mbar]		
Caudal de fuga máxima* [NI/min] Maximum leak flow* [NI/min]	-100	409	3.221
	-200	543	4.274
	-300	618	4.866
	-400	656	5.160
	-500	663	5.219
	-600	663	5.219
	-700	663	5.219
	-800	663	5.219
	-900	663	5.219



* Para la válvula de G3/4", el orificio equivalente es Ø8,5 mm For the G3/4" valve, the equivalent hole is Ø8,5 mm
Para la válvula de G1 1/2", el orificio equivalente es Ø24 mm For the G1 1/2" valve, the equivalent hole is Ø24 mm

ELECTROVÁLVULAS DE VACÍO
SOLENOID VACUUM VALVES

EVV77

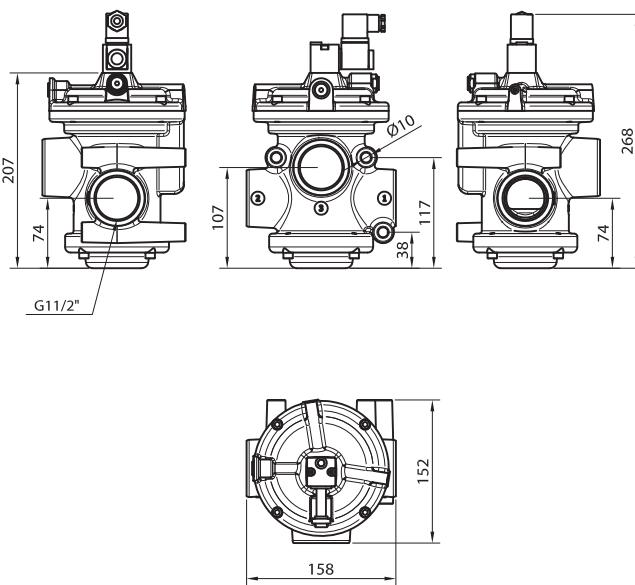
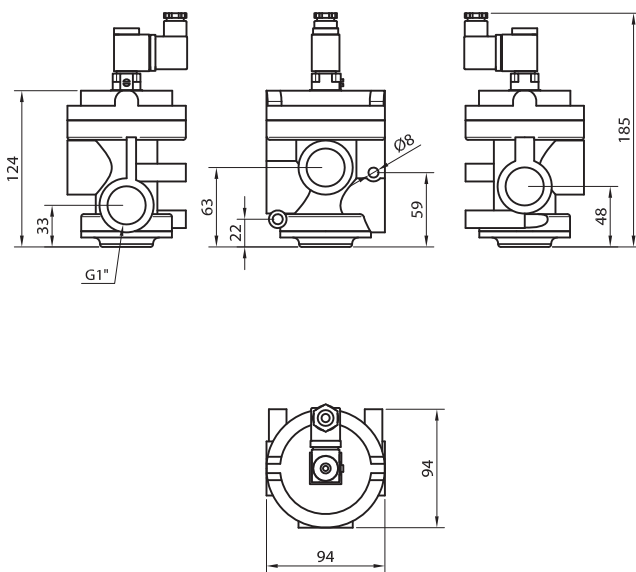
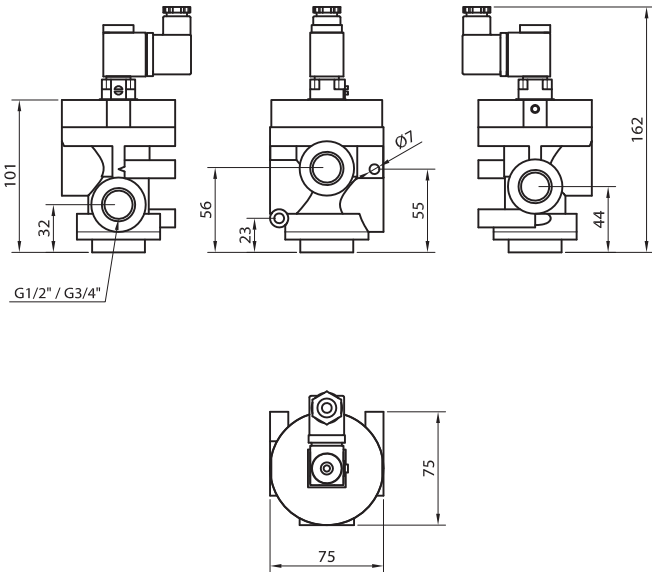


G1/2"

G3/4"

G1"

G1 1/2"



CARACTERÍSTICAS • CHARACTERISTICS

Fluido <i>Fluid</i>	
Pilotaje eléctrico <i>Electric pilot</i>	
Caudal de vacío libre <i>Free vacuum flow (20 mm H2O)</i>	[NI/min]
Orificio equivalente	[mm]
Roscas conexión <i>Connection threads</i>	
Temperatura de trabajo <i>Working Temperature</i>	[°C]
Potencia absorbida <i>Power consumption</i>	[W]
Tiempo de respuesta ON <i>Response time ON</i>	[ms]
Tiempo de respuesta OFF <i>Response time OFF</i>	[ms]
Protección <i>Protection</i>	
Material del cuerpo <i>Body material</i>	
Peso <i>Weight</i>	[g]

Aire, gases inertes <i>Air, inert gases</i>		Aire, gases inertes <i>Air, inert gases</i>
24 V CC DC		24 V CC DC
334		667
15		20
G1/2"		G3/4"
-5 ... 50		-5 ... 50
2,5		2,5
30		30
25		25
IP65		IP65
Tecnopolimero <i>Technoplastic</i>		Tecnopolimero <i>Technoplastic</i>
390		370

Aire, gases inertes <i>Air, inert gases</i>
24 V CC DC
1.500
25
G1"
-5 ... 50
2,5
40
30
IP65
Tecnopolimero <i>Technoplastic</i>
520

Aire, gases inertes <i>Air, inert gases</i>
24 V CC DC
3.000
38
G1 1/2"
-5 ... 50
2,5
70
50
IP65
Aluminio <i>Aluminium</i>
3.328

CÓMO PEDIR • HOW TO ORDER

Electroválvula de vacío normalmente abierta <i>Vacuum solenoid valve normally open</i>
Electroválvula de vacío normalmente cerrada <i>Vacuum solenoid valve normally closed</i>

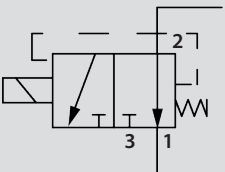
EVV77R1/224CNA	EVV77R3/424CNA
EVV77R1/224CNC	EVV77R3/424CNC

EVV77R124CNA
EVV77R124CNC

EVV77R11/224CNA
EVV77R11/224CNC

ESQUEMA NEUMÁTICO • PNEUMATIC DIAGRAM

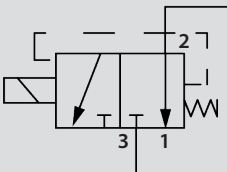
NO



2. ventosas
vacuum cups

1. bomba
pump

NC



2. ventosas
vacuum cups

3. bomba
pump

FILTROS DE VACÍO
VACUUM FILTERS

LINEA
LINE



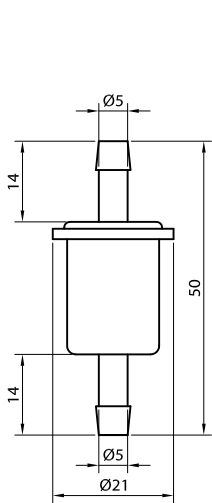
CARACTERÍSTICAS • CHARACTERISTICS

Tubos recomendados	Recommended tubes
Material filtrante	Filter material
Grado de filtración	Filtration level
Material del cuerpo	House materials
Peso	Weight

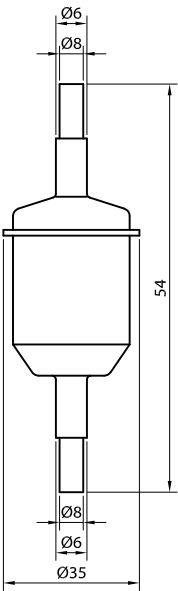
CÓMO PEDIR • HOW TO ORDER

Filtro completo de vacío	Complete vacuum filter
--------------------------	------------------------

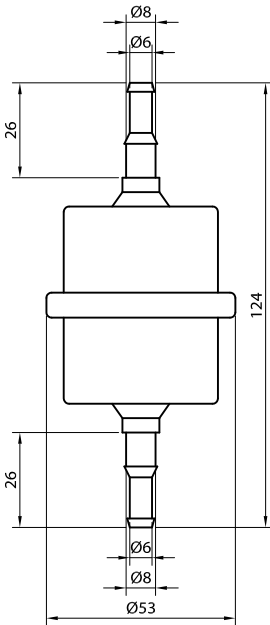
Ø6



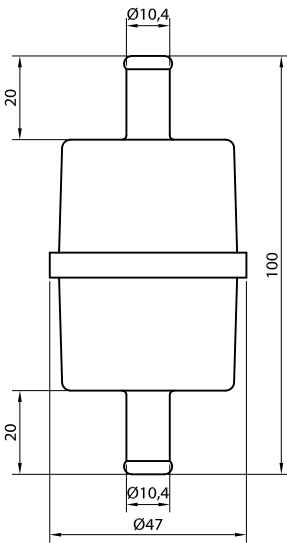
Ø8



Ø10



Ø12



T6x4

papel paper

30

plástico plastic

3

FILLINT4P

T8x6, T8x5.5

papel paper

30

plástico plastic

13

FILLINT5.SP

T10x8, T10x7, T8x5.5

plástico plastic

30

plástico plastic

35

FILLINT7PL

T12x10

papel paper

30

plástico plastic

34

FILLINT10P

FILTROS DE VACÍO
VACUUM FILTERS

FNU



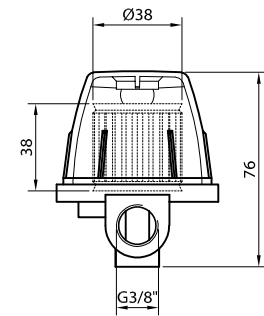
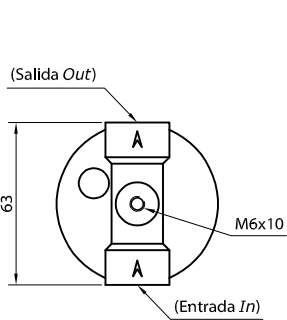
CARACTERÍSTICAS • CHARACTERISTICS

Conexión	Connection
Material filtrante	Filtering material
Grado de filtración	Filtration level
Máximo caudal de aspiración	Max air suction flow
Temperatura de trabajo	Working Temperature
Material del cuerpo	House materials
Volumen interno	Inner volume
Peso	Weight

CÓMO PEDIR • HOW TO ORDER

Filtro completo de vacío con cartucho de inox	Complete filter with stainless steel cartridge
Filtro completo de vacío con cartucho de papel	Complete filter with paper cartridge
Recambio de cartucho de inox	Stainless steel cartridge spare part
Recambio de cartucho de papel	Paper cartridge spare part

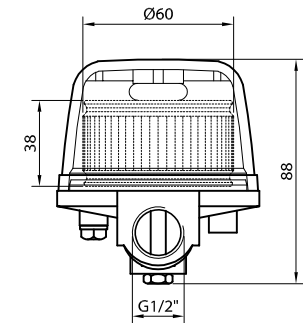
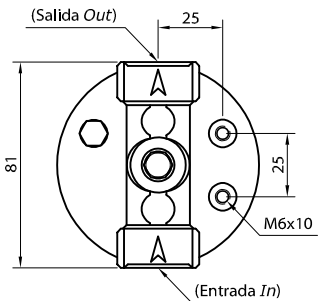
G3/8"



G3/8"
inox s.steel / papel paper
60 inox s.steel / 15 papel paper
300
-20 ... +50
Durethan T40, Al, NBR
0,08
126

FILFNU3/8B
FILFNU3/8BP
FILKITFNU3/8
FILKITFNU3/8P

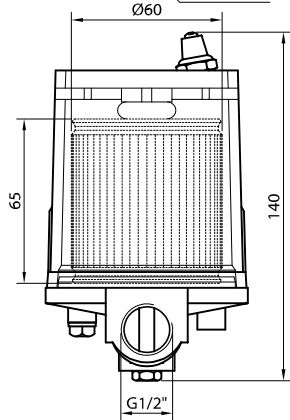
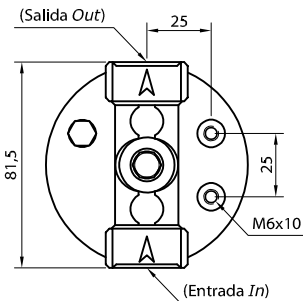
G1/2"



G1/2"
inox s.steel
60
600
-20 ... +50
Durethan T40, Al, NBR
0,18
248

FILFNU1/2
--
FILKITFNU1/2
--

G1/2" L



G1/2"
inox s.steel
60
1.300
-20 ... +50
Durethan T40, Al, NBR
0,30
338

FILFNU1/2L100
--
FILKITFNU1/2L100
--

FILTROS DE VACÍO
VACUUM FILTERS

FVP



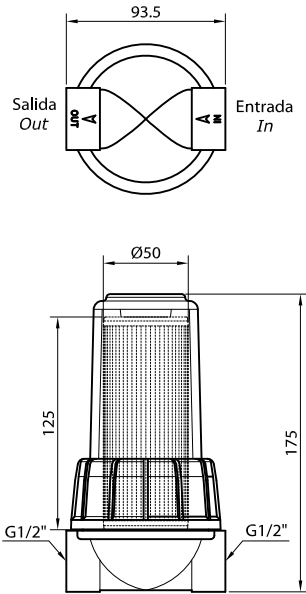
CARACTERÍSTICAS • CHARACTERISTICS

Conexión	Connection
Material filtrante	Filtering material
Grado de filtración	Filtration level
Máximo caudal de aspiración	Max air suction flow
Temperatura de trabajo	Working Temperature
Material del cuerpo	House materials
Volumen interno	Inner volume
Peso	Weight

CÓMO PEDIR • HOW TO ORDER

Filtro completo de vacío con cartucho de inox	Complete filter with stainless steel cartridge
Filtro completo de vacío con cartucho de papel	Complete filter with paper cartridge
Filtro completo de vacío con cartucho de plástico	Complete filter with plastic cartridge
Recambio de cartucho de inox	Stainless steel cartridge spare part
Recambio de cartucho de papel	Paper cartridge spare part
Recambio de cartucho de plástico	Plastic cartridge spare part

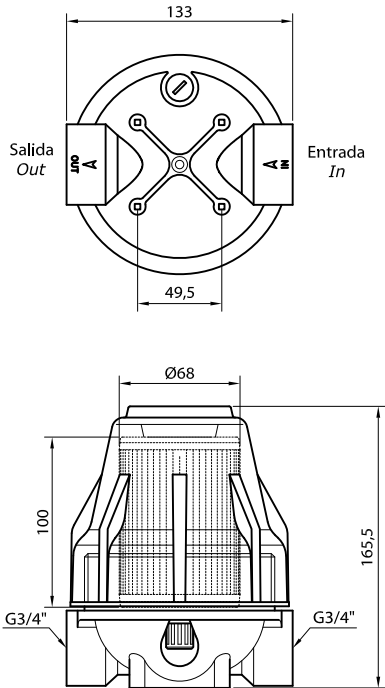
G1/2"



G1/2"
inox s. steel / papel paper / plástico plastic
50 inox s. steel / 25 papel paper / 50 plástico plastic
400 inox s. steel / 400 papel paper / 367 plástico plastic
-20 ... +50
PP, SAN, ETP, latón PP, SAN, ETP, brass
0,37
460 inox s. steel / 420 papel paper / 400 plástico plastic

FILFVP1/2
FILFVP1/2P
FILFVP1/2PL
FILKITFVP1/2
FILKITFVP1/2P
FILKITFVP1/2PL

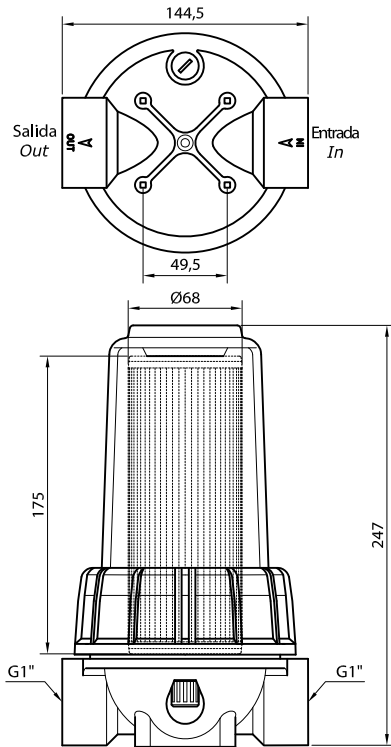
G3/4"



G3/4"
inox s. steel / papel paper / plástico plastic
50 inox s. steel / 25 papel paper / 50 plástico plastic
1.100 inox s. steel / 1.100 papel paper / 1.083 plástico plastic
-20 ... +50
PP, SAN, ETP, latón PP, SAN, ETP, brass
0,75
784 inox s. steel / 750 papel paper / 735 plástico plastic

FILFVP3/4
FILFVP3/4P
FILFVP3/4PL
FILKITFVP3/4
FILKITFVP3/4P
FILKITFVP3/4PL

G1"



G1"
inox s. steel / papel paper / plástico plastic
50 inox s. steel / 25 papel paper / 50 plástico plastic
1.167 inox s. steel / 1.167 papel paper / 1.833 plástico plastic
-20 ... +50
PP, SAN, ETP, latón PP, SAN, ETP, brass
1,25
1.030 inox s. steel / 980 papel paper / 960 plástico plastic

FILFVP1
FILFVP1P
FILFVP1PL
FILKITFVP1
FILKITFVP1P
FILKITFVP1PL

FILTROS DE VACÍO
VACUUM FILTERS

FMV



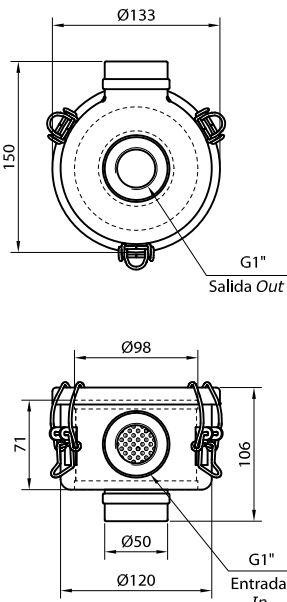
CARACTERÍSTICAS • CHARACTERISTICS

Conexión	Connection
Grado de filtración	Filtration level [μ]
Máximo caudal de aspiración	Max air suction flow [NL/min]
Material filtrante	Filter material
Temperatura de trabajo	Working Temperature [°C]
Material del cuerpo	House materials
Volumen interno	Inner volume [L]
Peso	Weight [g]

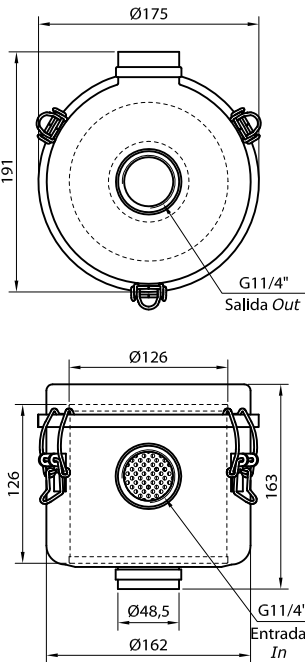
CÓMO PEDIR • HOW TO ORDER

Filtro completo de vacío
Complete vacuum filter
Recambio de cartucho
Paper cartridge spare part

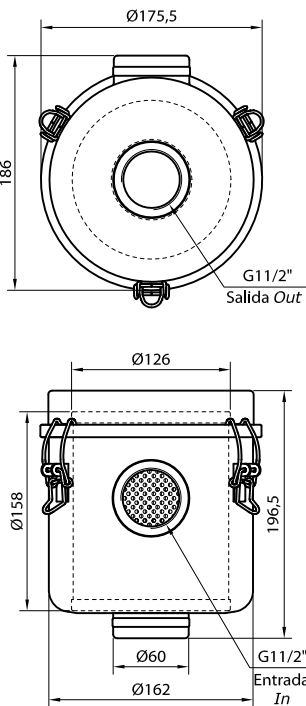
G1"



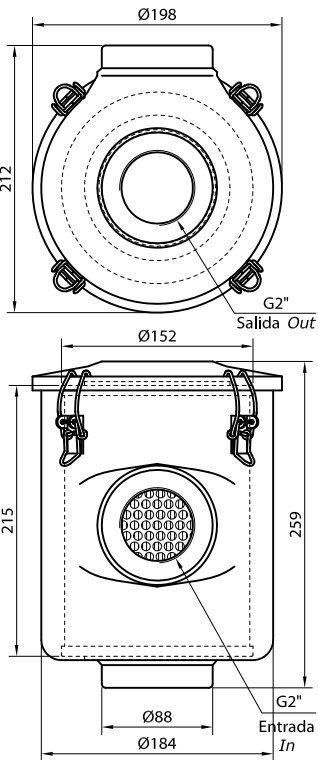
G11/4"



G11/2"



G2"



G1"	G11/4"	G11/2"	G2"
10	10	10	10
1.500	2.200	2.800	5.000
papel paper	papel paper	papel paper	papel paper
-20 ... +50	-20 ... +50	-20 ... +50	-20 ... +50
Fe, Nbr	Fe, Nbr	Fe, Nbr	Fe, Nbr
0,70	2,30	3,40	5,70
1200	1800	2050	4634
FILFMV1	FILFMV11/4	FILFMV11/2	FILFMV2
FILKITFMV1	FILKITFMV11/4	FILKITFMV11/2	FILKITFMV2

FILTROS DE VACÍO
VACUUM FILTERS

FCL



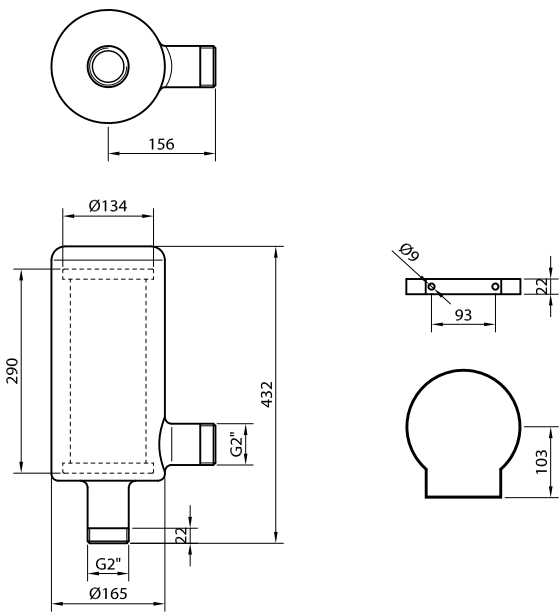
CARACTERÍSTICAS • CHARACTERISTICS

Conexión	Connection
Grado de filtración	Filtration level
Máximo caudal de aspiración	Max air suction flow
Material filtrante	Filter material
Temperatura de trabajo	Working Temperature
Material del cuerpo	House materials
Peso	Weight

CÓMO PEDIR • HOW TO ORDER

Filtro completo de vacío	Complete vacuum filter
Abrazadera	Bracket
Recambio de cartucho	Paper cartridge spare part

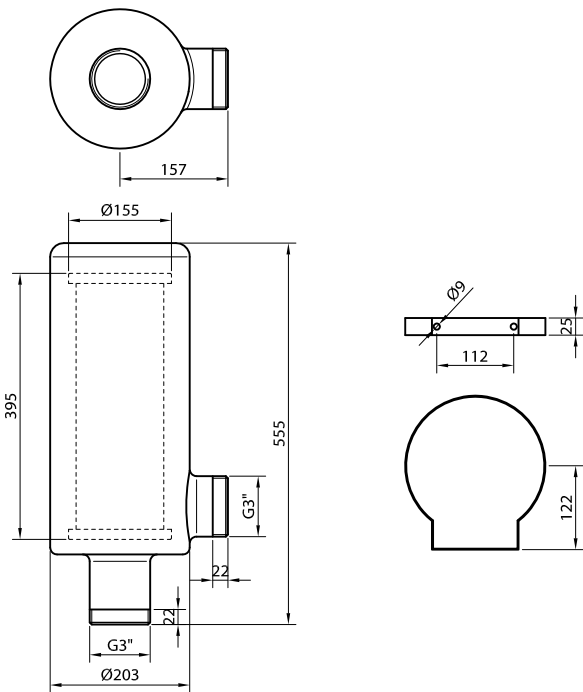
G2"



G2"
25
240
papel <i>paper</i>
-20 ... +50
acero <i>s.steel</i>
3500

FILFCL2
FILFCL2ABR
FILKITFCL2

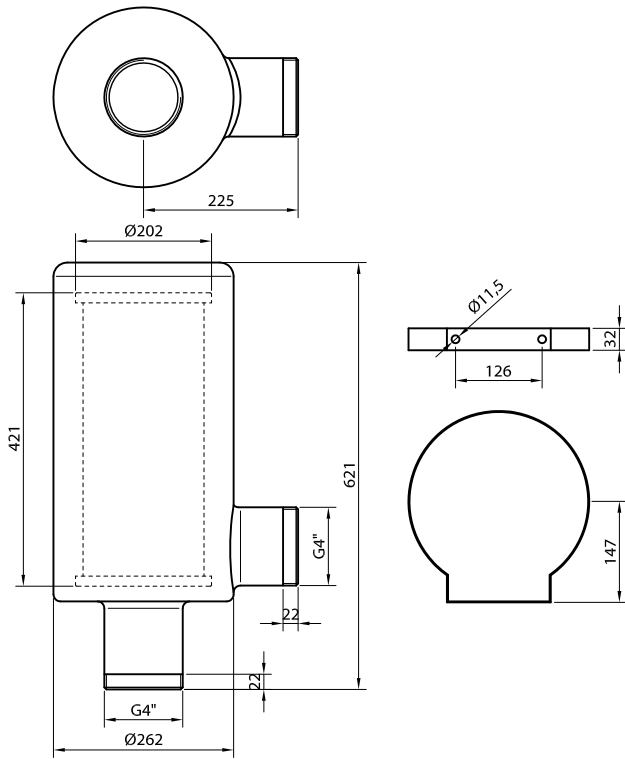
G3"



G3"
25
440
papel <i>paper</i>
-20 ... +50
acero <i>s.steel</i>
1070

FILFCL3
FILFCL3ABR
FILKITFCL3

G4"



G4"
25
730
papel <i>paper</i>
-20 ... +50
acero <i>s.steel</i>
8900

FILFCL4
FILFCL4ABR
FILKITFCL4

CILINDROS DE VACÍO
VACUUM CYLINDERS

CRV



CARACTERÍSTICAS • CHARACTERISTICS

Carrera <i>Stroke</i>	[mm]
Fluido <i>Fluid</i>	
Presión máxima <i>Max pressure</i>	[bar]
Fuerza máxima <i>Max force</i>	[Kg]
Temperatura de trabajo <i>Working Temperature</i>	[°C]
Materiales <i>Materials</i>	
Peso <i>Weight</i>	[g]

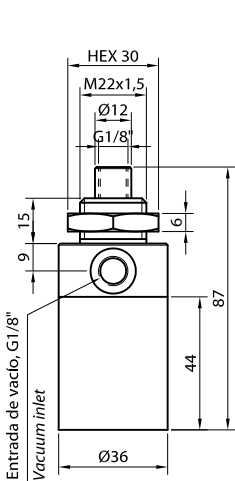
CÓMO PEDIR • HOW TO ORDER

Cilindro de vacío <i>Vacuum cylinder</i>

CÓMO FUNCIONA • HOW IT WORKS

- Cilindros de ciclo rápido accionados por vacío, preparados para el montaje de una ventosa en su extremo.
- Al alimentar el cilindro con vacío, el vástago sale automáticamente hasta que la ventosa encuentra pieza. En este momento el vástago se retrae de forma automática hasta su posición inicial.
- Al cesar la alimentación de vacío, la ventosa desprende la pieza. No necesitan detectores magnéticos.

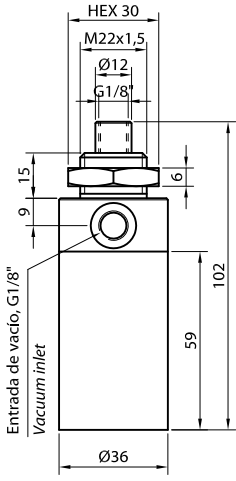
10



10
Aire <i>Air</i>
-1
0,750
-20 ... +80
Al; CrMo
330

CILCRV3210

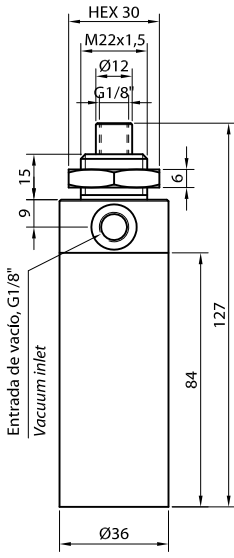
25



25
Aire <i>Air</i>
-1
0,750
-20 ... +80
Al; CrMo
370

CILCRV3225

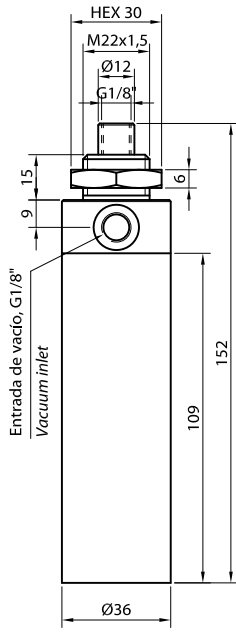
50



50
Aire <i>Air</i>
-1
0,750
-20 ... +80
Al; CrMo
463

CILCRV3250

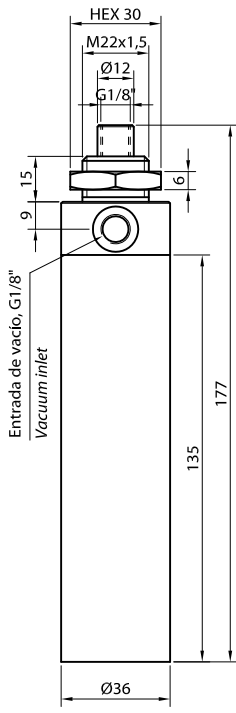
75



75
Aire <i>Air</i>
-1
0,750
-20 ... +80
Al; CrMo
555

CILCRV3275

100



100
Aire <i>Air</i>
-1
0,750
-20 ... +80
Al; CrMo
650

CILCRV32100

- Cylinders for rapid cycle, vacuum operated, prepared for mounting a suction cup on the end.*
- When feeding the vacuum cylinder, the rod automatically goes out until the cup meets a contact surface. At this point the rod automatically retracts to its initial position.*
- By stopping the vacuum power, the suction cup releases the part. No magnetic switches needed.*

CILINDROS DE VÁSTAGO PERFORADO
PERFORATED ROD CYLINDERS

CVP
Ø32



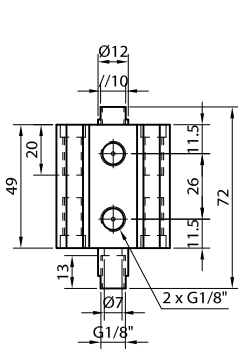
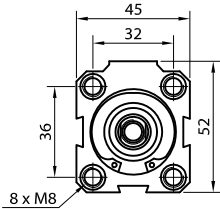
CARACTERÍSTICAS • CHARACTERISTICS

Carrera <i>Stroke</i>	[mm]
Fluido <i>Fluid</i>	
Presión máxima <i>Max pressure</i>	[bar]
Fuerza de empuje <i>Thrust force (6 bar)</i>	[N]
Fuerza de retorno <i>Traction force (6 bar)</i>	[N]
Temperatura de trabajo <i>Working Temperature</i>	[°C]
Materiales <i>Materials</i>	
Peso <i>Weight</i>	[g]

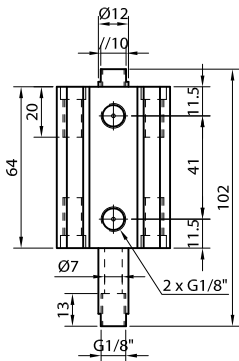
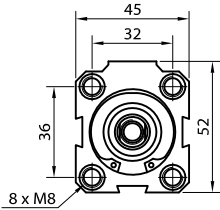
CÓMO PEDIR • HOW TO ORDER

Cilindro neumático de vástago perforado Ø32
Pneumatic cylinder with hollow rod Ø32

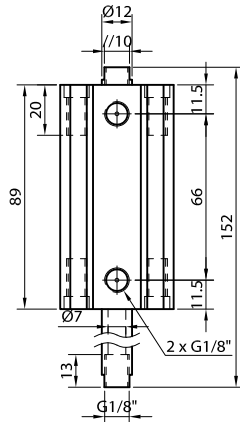
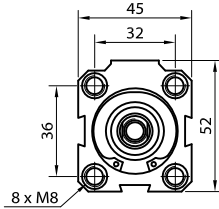
10



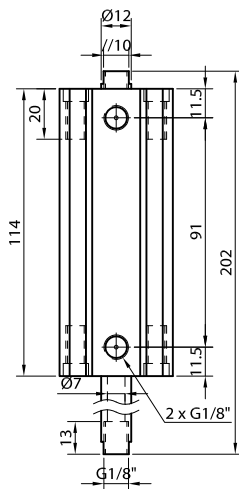
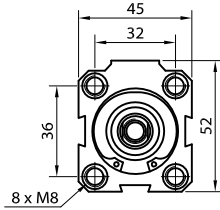
25



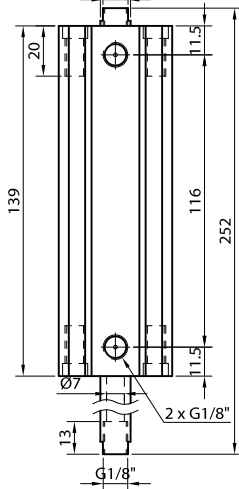
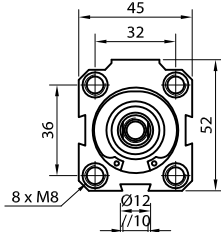
50



75



100



10

Aire *Air*

10

365

365

-20 ... +80

Al, CrMo

280

CILCVP3210A

25

Aire *Air*

10

365

365

-20 ... +81

Al, CrMo

357

CILCVP3225A

50

Aire *Air*

10

365

365

-20 ... +82

Al, CrMo

484

CILCVP3250A

75

Aire *Air*

10

365

365

-20 ... +83

Al, CrMo

611

CILCVP3275A

100

Aire *Air*

10

365

365

-20 ... +84

Al, CrMo

739

CILCVP32100A

CILINDROS DE Vástago PERFORADO
PERFORATED ROD CYLINDERS

CVP
Ø40



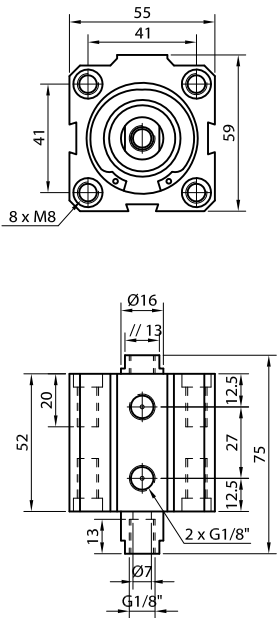
CARACTERÍSTICAS • CHARACTERISTICS

Carrera <i>Stroke</i>	[mm]
Fluido <i>Fluid</i>	
Presión máxima <i>Max pressure</i>	[bar]
Fuerza de empuje <i>Thrust side force (6 bar)</i>	[N]
Fuerza de retorno <i>Traction side force (6 bar)</i>	[N]
Temperatura de trabajo <i>Working Temperature</i>	[°C]
Materiales <i>Materials</i>	
Peso <i>Weight</i>	[g]

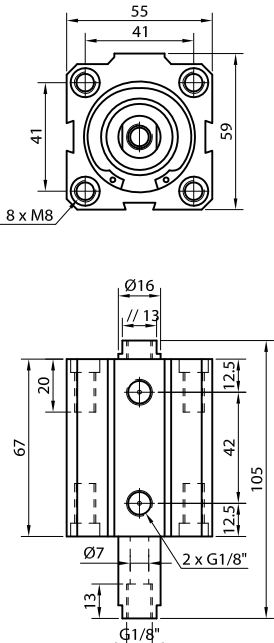
CÓMO PEDIR • HOW TO ORDER

Cilindro neumático de vástago perforado Ø40
Pneumatic cylinder with hollow rod Ø40

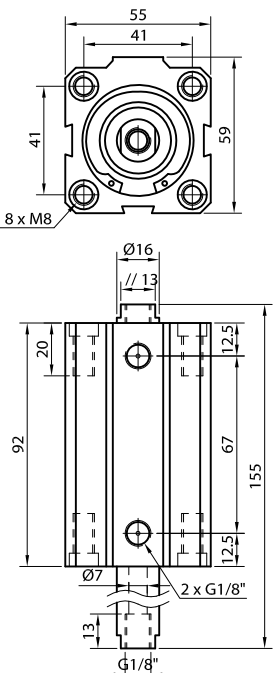
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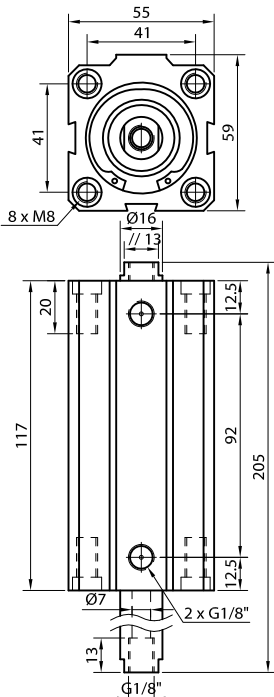
25



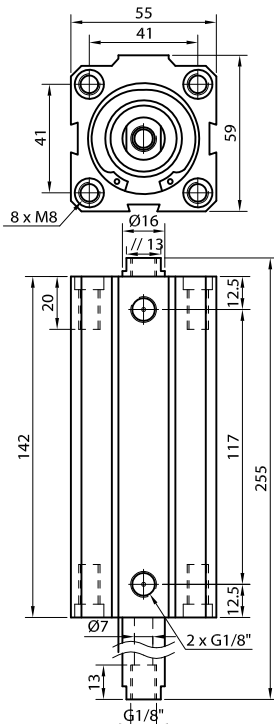
50



75



100



10

Aire *Air*

10

664

559

-20 ... +80

Al, CrMo

430

CILCVP4010A

25

Aire *Air*

10

664

559

-20 ... +81

Al, CrMo

543

CILCVP4025A

50

Aire *Air*

10

664

559

-20 ... +82

Al, CrMo

730

CILCVP4050A

75

Aire *Air*

10

664

559

-20 ... +83

Al, CrMo

918

CILCVP4075A

100

Aire *Air*

10

664

559

-20 ... +84

Al, CrMo

1105

CILCVP40100A

CALDERINES DE VACÍO / PRESIÓN
VACUUM / PRESSURE RESERVE TANKS



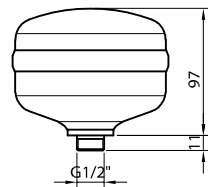
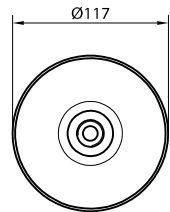
CARACTERÍSTICAS • CHARACTERISTICS

Volumen <i>Volumen</i>	[L]
Presión máxima <i>Max pressure</i>	[bar]
Materiales <i>Materials</i>	
Conexión <i>Connection</i>	
Peso <i>Weight</i>	[g]

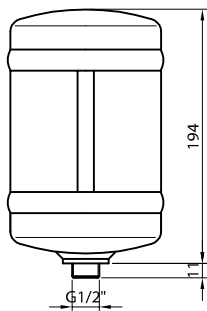
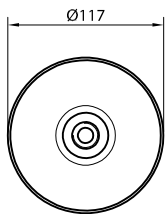
CÓMO PEDIR • HOW TO ORDER

Calderín de aluminio para vacío o presión
Vacuum/pressure aluminium reserve tank

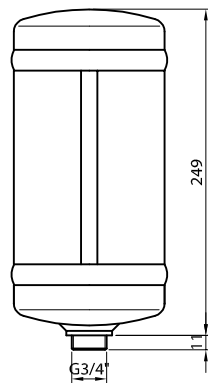
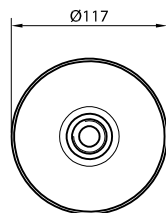
0,5 L



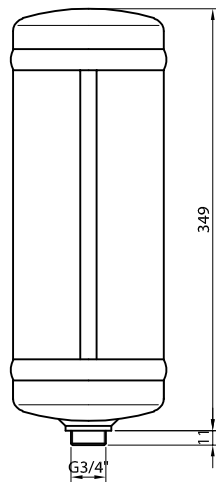
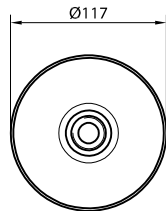
1,5 L



2 L



3 L



0,5

10

Al

G1/2"

400

CALVAL0'5L

1,5

15,5

Al

G1/2"

700

CALVAL1'5L

2

15,5

Al

G3/4"

900

CALVAL2L

3

15,5

Al

G3/4"

1100

CALVAL3L

CALDERINES DE VACÍO / PRESIÓN
VACUUM / PRESSURE RESERVE TANKS



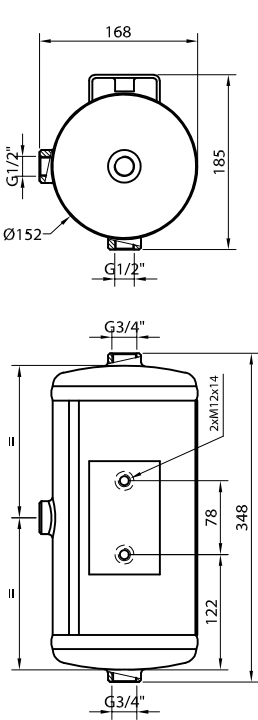
CARACTERÍSTICAS • CHARACTERISTICS

Volumen <i>Volumen</i>	[L]
Presión máxima <i>Max pressure</i>	[bar]
Materiales <i>Materials</i>	
Conexión <i>Connection</i>	
Peso <i>Weight</i>	[g]

CÓMO PEDIR • HOW TO ORDER

Calderín de aluminio para vacío o presión
Vacuum/pressure aluminium reserve tank

5 L



5

15,5

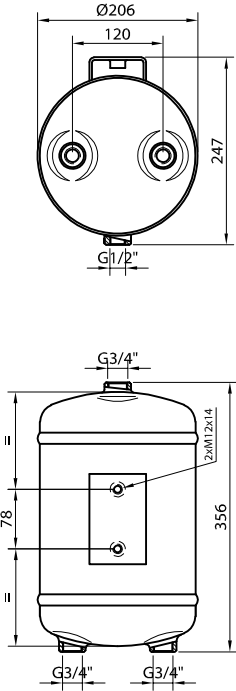
Al

G1/2"; G3/4"

1700

CALVAL5L

10 L



10

15,5

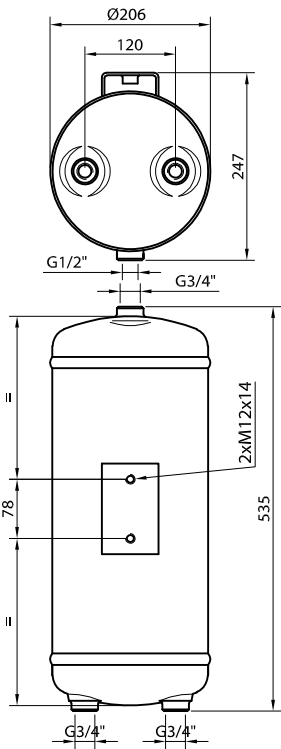
Al

G1/2"; G3/4"

2400

CALVAL10L

15 L



15

15,5

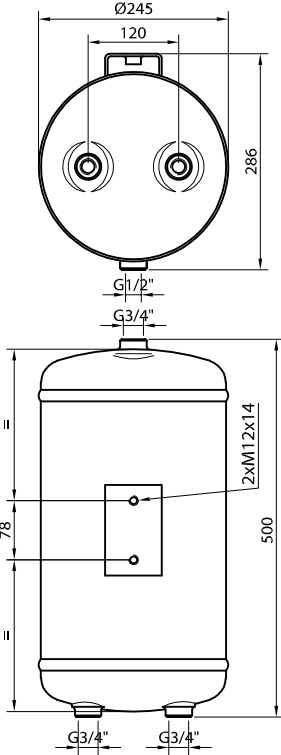
Al

G1/2"; G3/4"

3300

CALVAL15L

20 L



20

15,5

Al

G1/2"; G3/4"

3700

CALVAL20L

CALDERINES DE VACÍO / PRESIÓN
VACUUM / PRESSURE RESERVE TANKS



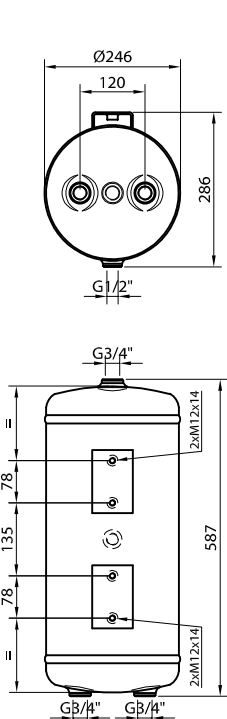
CARACTERÍSTICAS • CHARACTERISTICS

Volumen <i>Volumen</i>	[L]
Presión máxima <i>Max pressure</i>	[bar]
Materiales <i>Materials</i>	
Conexión <i>Connection</i>	
Peso <i>Weight</i>	[g]

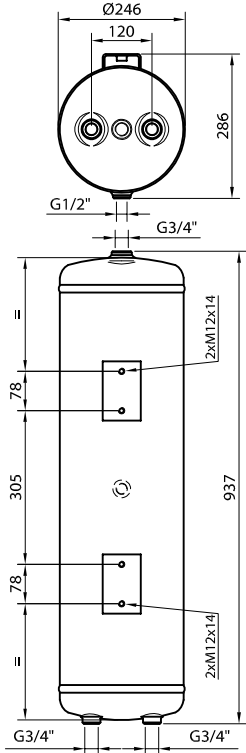
CÓMO PEDIR • HOW TO ORDER

Calderín de aluminio para vacío o presión
Vacuum/pressure aluminium reserve tank

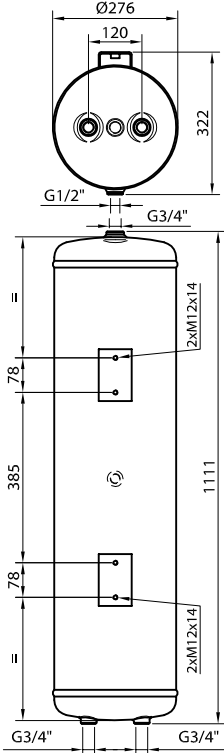
25 L



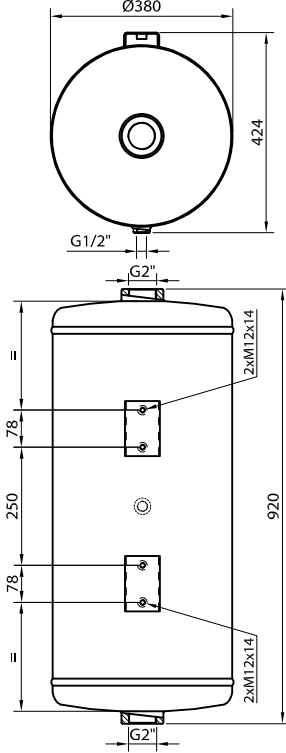
40 L



60 L



100 L



25

15,5

Al

G1/2"; G3/4"

4600

40

15,5

Al

G1/2"; G3/4"

7300

60

15,5

Al

G1/2"; G3/4"

9300

100

10

Al

G1/2"; G2"

11300

CALVAL25L

CALVAL40L

CALVAL60L

CALVAL100L

SILENCIADORES
SILENCERS



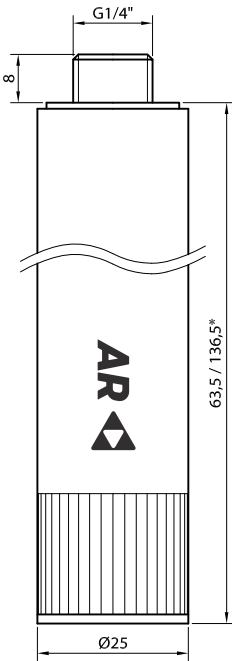
CARACTERÍSTICAS • CHARACTERISTICS

Conexión	Connection
Reduccion de ruido	Noise reduction [dB]
Materiales	Materials
Peso	Weight [g]

CÓMO PEDIR • HOW TO ORDER

Silenciador para generador de vacío	Silencer for vacuum generator
Silenciador extra-largo para generador de vacío	Extra-long silencer for vacuum generator

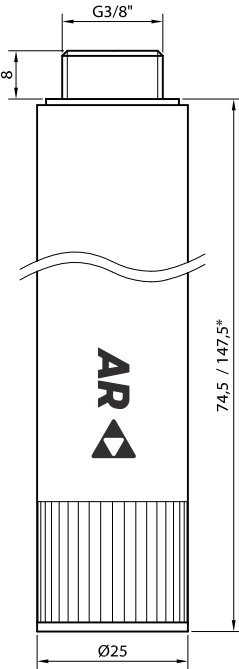
G1/4"



G1/4"
12 / 20 *
PUR, PEAD, PP PUR, HDPE, PP
14 / 30 *

SILRL1/4
SILRL1/4LG

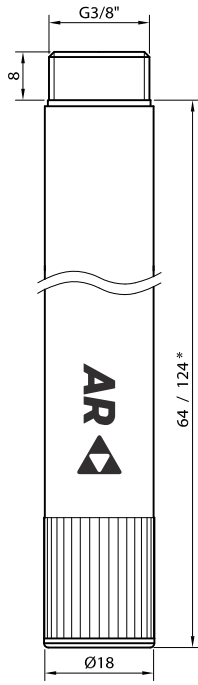
G3/8"



G3/8"
12 / 20 *
PUR, PEAD, PP PUR, HDPE, PP
15 / 32 *

SILRL3/8
SILRL3/8LG

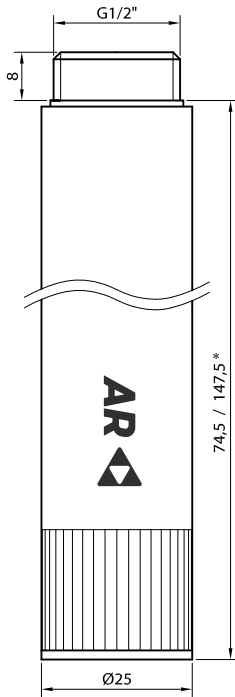
G3/8" - Ø18



G3/8"
12 / 20 *
PUR, PEAD, PP PUR, HDPE, PP
8 / 21 *

SILRL3/8 -18
SILRL3/8 -18LG

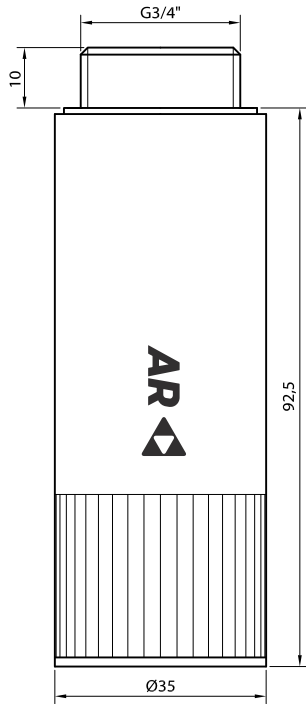
G1/2"



G1/2"
12 / 20 *
PUR, PEAD, PP PUR, HDPE, PP
33 / 70 *

SILRL1/2
SILRL1/2LG

G3/4"



G3/4"
12
PUR, PEAD, PP PUR, HDPE, PP
33

SILRL3/4
--

* Extra-largo Extra-long

SILENCIADORES
SILENCERS



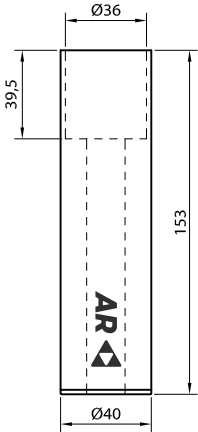
CARACTERÍSTICAS · CHARACTERISTICS

Conexión	Connection
Reduccion de ruido	Noise reduction [dB]
Materiales	Materials
Peso	Weight [g]

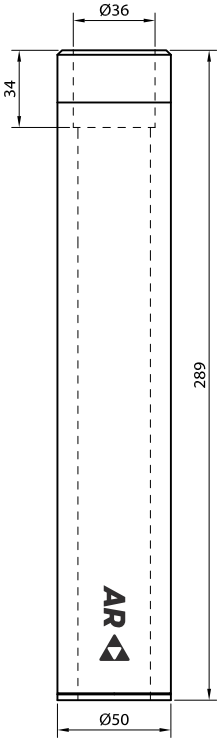
CÓMO PEDIR · HOW TO ORDER

Silenciador para generador de vacío	Exhaust vacuum generator silencer"
Kit de silenciador extra para generador de vacío	Extra exhaust vacuum generator silencer kit

Ø40



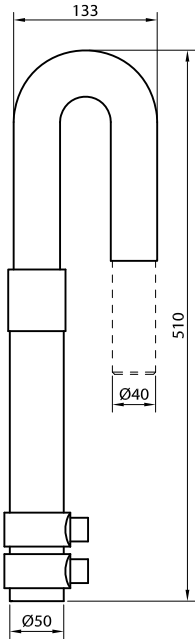
Ø50



Ø36	Ø36
20	20
PUR, PEAD, PVC	PUR, PEAD, PVC
82	233
SILRL40	SILRL50

--

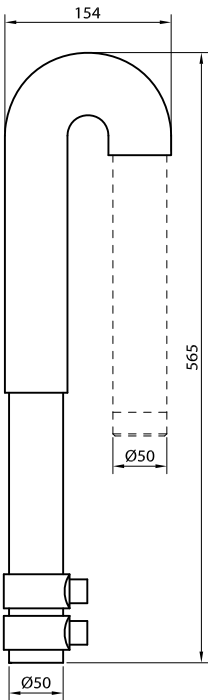
Ø40 extra



Ø40	Ø40
20	20
PUR, PEAD, PVC. OTROS	PUR, HDPE, PVC, OTHERS
480	
--	

EVKITIN40

Ø50 extra



Ø50	Ø50
20	20
PUR, PEAD, PVC. OTROS	PUR, HDPE, PVC, OTHERS
520	
--	

EVKITIN50

VÁLVULAS DE RETENCIÓN DE VACÍO
YORK VACUUM LOCK VALVES



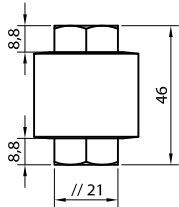
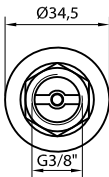
CARACTERÍSTICAS • CHARACTERISTICS

Conexión	Connection
Materiales	Materials
Peso	Weight
	[g]

CÓMO PEDIR • HOW TO ORDER

Válvula de retención de vacío
Vacuum lock valve

G3/8"

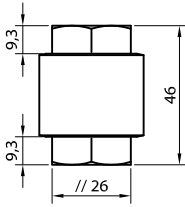
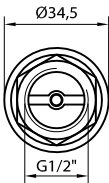


G3/8"

Latón Brass, inox s.steel, nylon, NBR
135

ECONYORK3/8

G1/2"

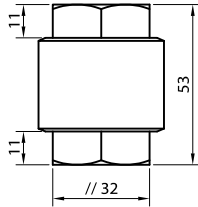
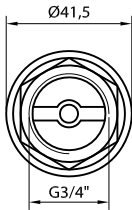


G1/2"

Latón Brass, inox s.steel, nylon, NBR
140

ECONYORK1/2

G3/4"

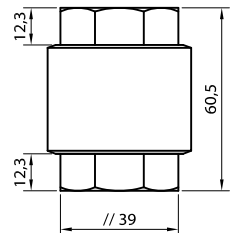
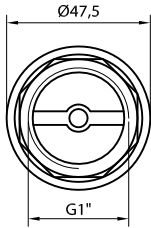


G3/4"

Latón Brass, inox s.steel, nylon, NBR
187

ECONYORK3/4

G1"

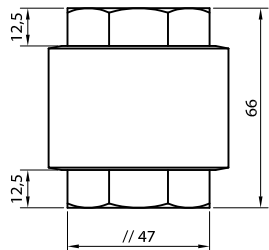
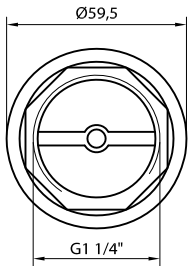


G1"

Latón Brass, inox s.steel, nylon, NBR
284

ECONYORK1

G11/4"

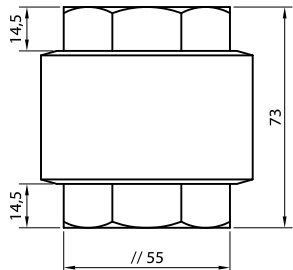
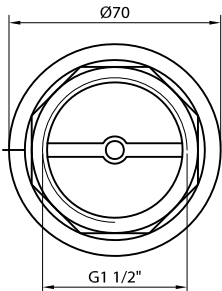


G11/4"

Latón Brass, inox s.steel, nylon, NBR
390

ECONYORK11/4

G11/2"



G11/2"

Latón Brass, inox s.steel, nylon, NBR
600

ECONYORK11/2

VÁLVULAS DE RETENCIÓN DE VACÍO
YORK VACUUM LOCK VALVES



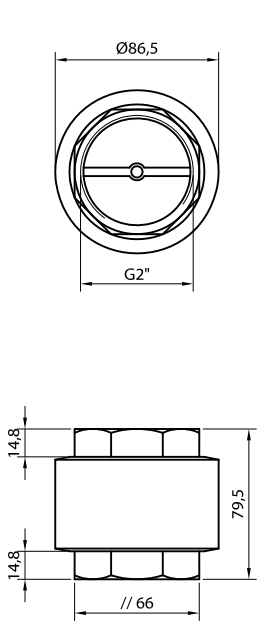
CARACTERÍSTICAS • CHARACTERISTICS

Conexión	Connection
Materiales	Materials
Peso	Weight [g]

CÓMO PEDIR • HOW TO ORDER

Válvula de retención de vacío
Vacuum lock valve

G2"

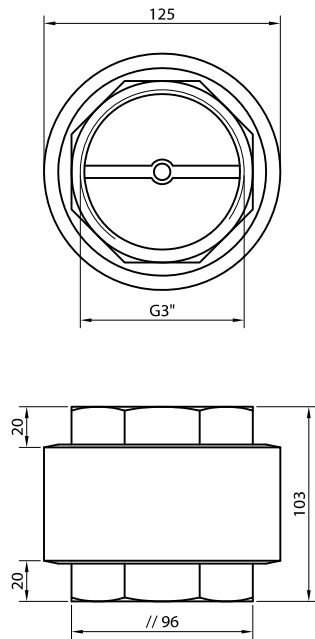


G2"

Latón Brass, inox s.steel, nylon, NBR
883

ECONYORK2

G3"



G3"

Latón Brass, inox s.steel, nylon, NBR
2110

ECONYORK3

REGLETAS DE VACÍO
VACUUM DISTRIBUTORS

G3/8" - G1/4"



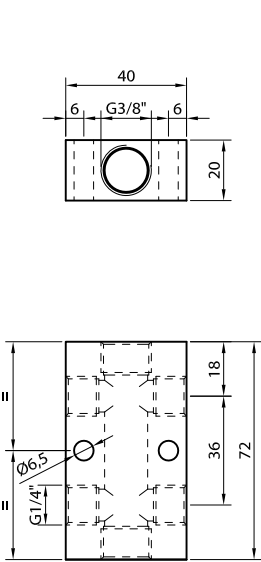
CARACTERÍSTICAS • CHARACTERISTICS

Conexiones	Connections	G1/4"
Conexiones	Connections	G3/8"
Materiales	Materials	
Peso	Weight	[g]

CÓMO PEDIR • HOW TO ORDER

Regletas de distribución de vacío, roscas G3/8" y G1/4"
Vacuum distributors, threads G3/8" and G1/4"

2 + 4



4

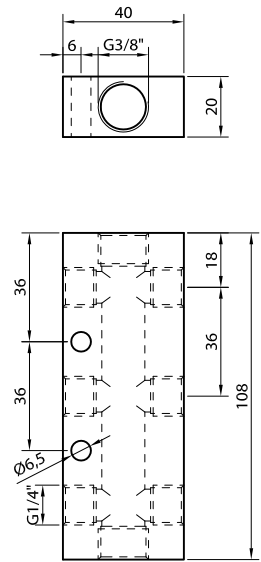
2

Al

103

ECONDSR3/804R1/4

2 + 6



6

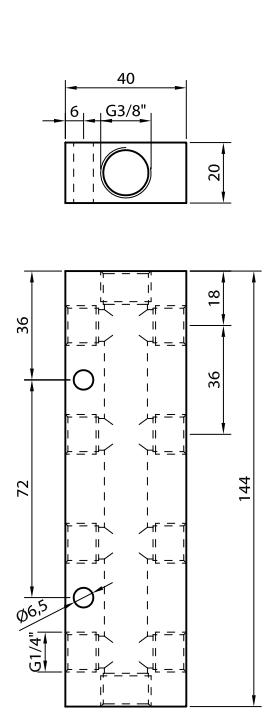
2

Al

154

ECONDSR3/806R1/4

2 + 8



8

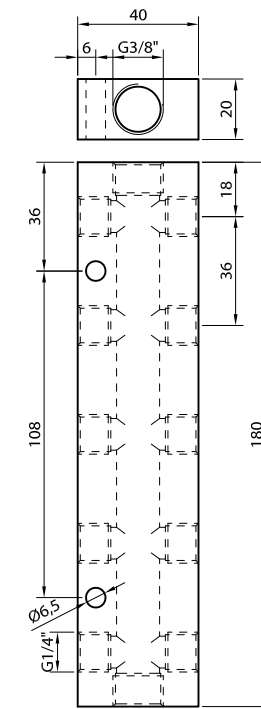
2

Al

206

ECONDSR3/808R1/4

2 + 10



10

2

Al

258

ECONDSR3/810R1/4

REGLETAS DE VACÍO
VACUUM DISTRIBUTORS

G1/2" - G1/4"



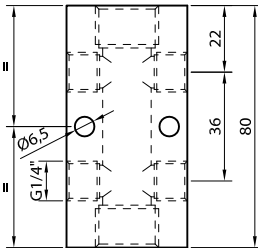
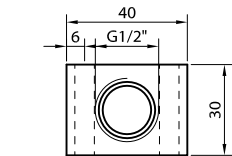
CARACTERÍSTICAS • CHARACTERISTICS

Conexiones	Connections	G1/4"
Conexiones	Connections	G1/2"
Materiales	Materials	
Peso	Weight	[g]

CÓMO PEDIR • HOW TO ORDER

Regletas de distribución de vacío, roscas G1/2" y G1/4"	
Vacuum distributors, threads G1/2" and G1/4"	

2 + 4



4

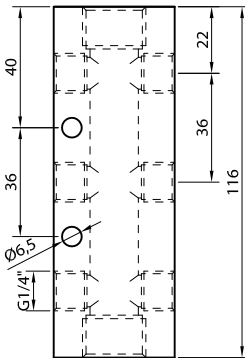
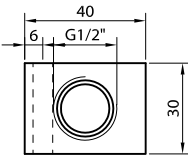
2

Al

189

ECONDSR1/204R1/4

2 + 6



6

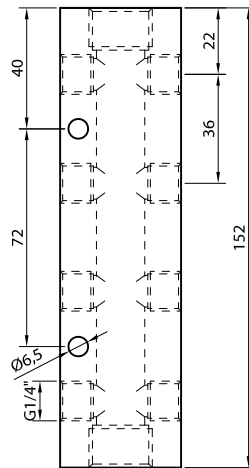
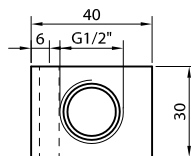
2

Al

275

ECONDSR1/206R1/4

2 + 8



8

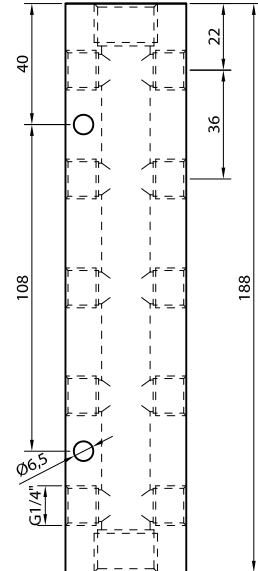
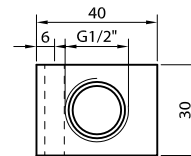
2

Al

370

ECONDSR1/208R1/4

2 + 10



10

2

Al

463

ECONDSR1/210R1/4

MANGUERAS DE VACÍO
VACUUM HOSES

ESTÁNDAR
STANDARD



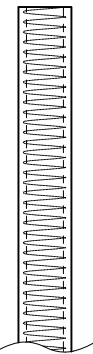
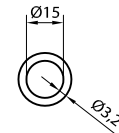
CARACTERÍSTICAS • CHARACTERISTICS

Ø Interior <i>Ø Interior</i>	[mm]
Espesor <i>Thickness</i>	[mm]
Radio de curvatura <i>Curve radius</i>	[mm]
Depresión máxima <i>Max depressure</i>	[mbar]
Temperatura de trabajo <i>Working Temperature</i>	[°C]
Materiales <i>Materials</i>	
Peso lineal <i>Lineal Weight</i>	[g/m]

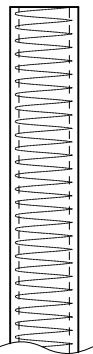
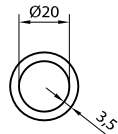
CÓMO PEDIR • HOW TO ORDER

Manguera reforzada para vacío
Reinforced vacuum hose

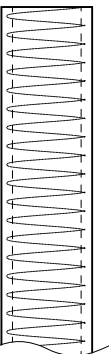
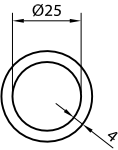
Ø15



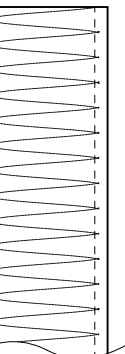
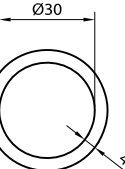
Ø20



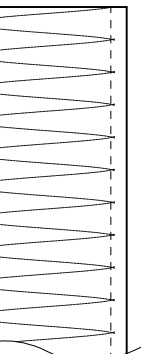
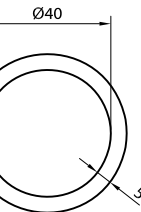
Ø25



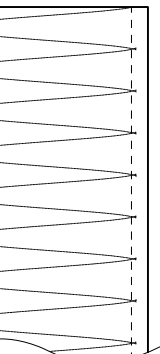
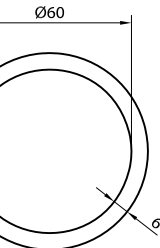
Ø30



Ø40



Ø60



Ø Interior <i>Ø Interior</i>	[mm]	15	20	25	30	40	60
Espesor <i>Thickness</i>	[mm]	3,2	3,5	4	4	5	6
Radio de curvatura <i>Curve radius</i>	[mm]	30	34	42	50	66	130
Depresión máxima <i>Max depressure</i>	[mbar]	-830	-830	-830	-830	-830	-780
Temperatura de trabajo <i>Working Temperature</i>	[°C]	-10 ... +60	-10 ... +60	-10 ... +60	-10 ... +60	-10 ... +60	-10 ... +60
Materiales <i>Materials</i>		PVC, acero <i>PVC, steel</i>	PVC, acero <i>PVC, steel</i>	PVC, acero <i>PVC, steel</i>	PVC, acero <i>PVC, steel</i>	PVC, acero <i>PVC, steel</i>	PVC, acero <i>PVC, steel</i>
Peso lineal <i>Lineal Weight</i>	[g/m]	250	350	500	600	870	1700

Manguera reforzada para vacío <i>Reinforced vacuum hose</i>	VARMANG15	VARMANG20	VARMANG25	VARMANG30	VARMANG40	VARMANG60
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MANGUERAS DE VACÍO
VACUUM HOSES

PUR FLEXIBLE
PUR FLEXIBLE



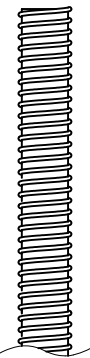
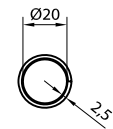
CARACTERÍSTICAS • CHARACTERISTICS

Ø Interior <i>Ø Interior</i>	[mm]
Espesor <i>Thickness</i>	[mm]
Radio de curvatura <i>Curve radius</i>	[mm]
Depresión máxima <i>Max depressure</i>	[mbar]
Temperatura de trabajo <i>Working Temperature</i>	[°C]
Materiales <i>Materials</i>	
Peso lineal <i>Lineal Weight</i>	[g/m]

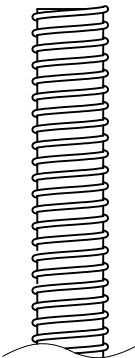
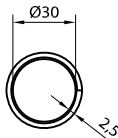
CÓMO PEDIR • HOW TO ORDER

Manguera reforzada flexible para vacío
Reinforced flexible vacuum hose

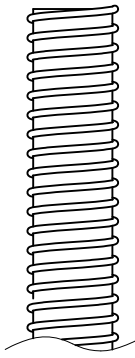
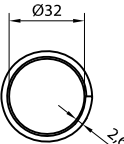
Ø20



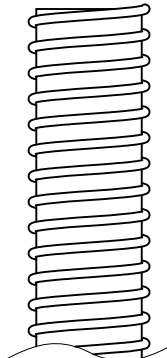
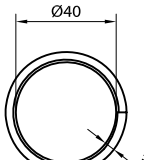
Ø30



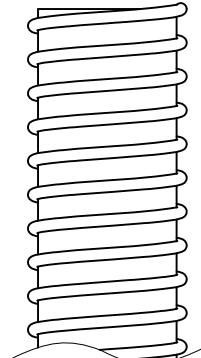
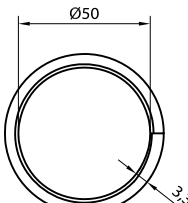
Ø32



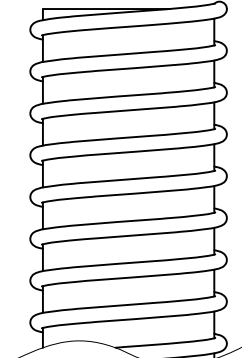
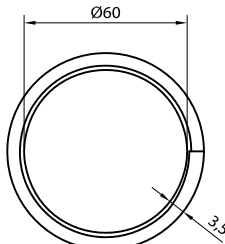
Ø40



Ø50



Ø60



Ø Interior <i>Ø Interior</i>	[mm]	20	30	32	40	50	60
Espesor <i>Thickness</i>	[mm]	2,5	2,5	2,6	3	3,3	3,5
Radio de curvatura <i>Curve radius</i>	[mm]	25	35	35	60	70	80
Depresión máxima <i>Max depressure</i>	[mbar]	-245	-245	-200	-200	-200	157
Temperatura de trabajo <i>Working Temperature</i>	[°C]	-20 ... +80	-20 ... +80	-20 ... +80	-20 ... +80	-20 ... +80	-20 ... +80
Materiales <i>Materials</i>		PUR, PVC	PUR, PVC	PUR, PVC	PUR, PVC	PUR, PVC	PUR, PVC
Peso lineal <i>Lineal Weight</i>	[g/m]	100	140	155	200	290	425

VARMANG20PUR

VARMANG30PUR

VARMANG32PUR

VARMANG40PUR

VARMANG50PUR

VARMANG60PUR

MANGUERAS DE VACÍO
VACUUM HOSES

PUR ANTIEST.
PUR ANTISTATIC



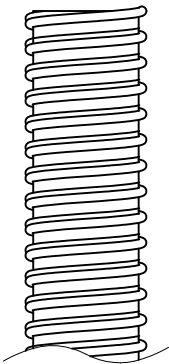
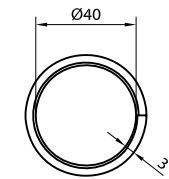
CARACTERÍSTICAS • CHARACTERISTICS

Ø Interior <i>Ø Interior</i>	[mm]
Espesor <i>Thickness</i>	[mm]
Radio de curvatura <i>Curve radius</i>	[mm]
Depresión máxima <i>Max depressure</i>	[mbar]
Temperatura de trabajo <i>Working Temperature</i>	[°C]
Materiales <i>Materials</i>	
Peso lineal <i>Lineal Weight</i>	[g/m]

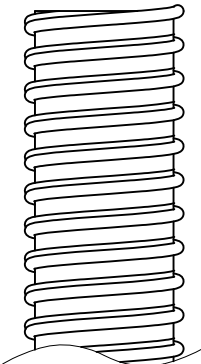
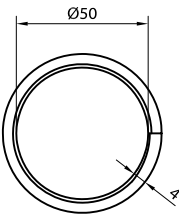
CÓMO PEDIR • HOW TO ORDER

Manguera reforzada antiestática para vacío
Antistatic reinforced vacuum hose

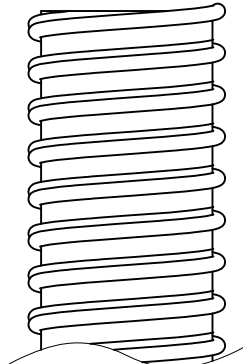
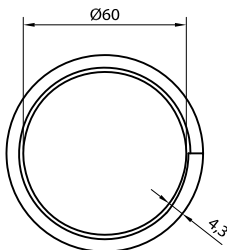
Ø40



Ø50



Ø60



Ø Interior <i>Ø Interior</i>	[mm]
Espesor <i>Thickness</i>	[mm]
Radio de curvatura <i>Curve radius</i>	[mm]
Depresión máxima <i>Max depressure</i>	[mbar]
Temperatura de trabajo <i>Working Temperature</i>	[°C]
Materiales <i>Materials</i>	
Peso lineal <i>Lineal Weight</i>	[g/m]

CÓMO PEDIR • HOW TO ORDER

Manguera reforzada antiestática para vacío
Antistatic reinforced vacuum hose

VARMANG40AST

VARMANG52AST

VARMANG60AST

MANGUERAS DE PRESIÓN
PRESSURE HOSES



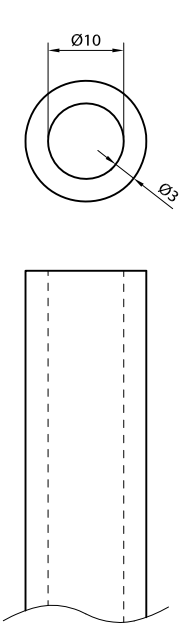
CARACTERÍSTICAS • CHARACTERISTICS

Ø Interior <i>Ø Interior</i>	[mm]
Espesor <i>Thickness</i>	[mm]
Radio de curvatura <i>Curve radius</i>	[mm]
Presión máxima <i>Max pressure</i>	[bar]
Temperatura de trabajo <i>Working Temperature</i>	[°C]
Materiales <i>Materials</i>	
Peso lineal <i>Lineal Weight</i>	[g/m]

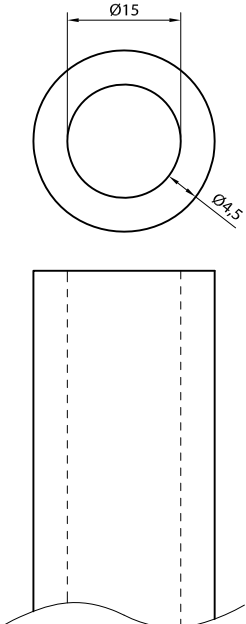
CÓMO PEDIR • HOW TO ORDER

Manguera de presión <i>Pressure hose</i>

Ø10



Ø15



10	15
3	4,5
70	125
20	20
-15 ... +60	-15 ... +60
PVC, NBR, PET	PVC, NBR, PET
120	440
VARMANG10PRES	VARMANG15PRES