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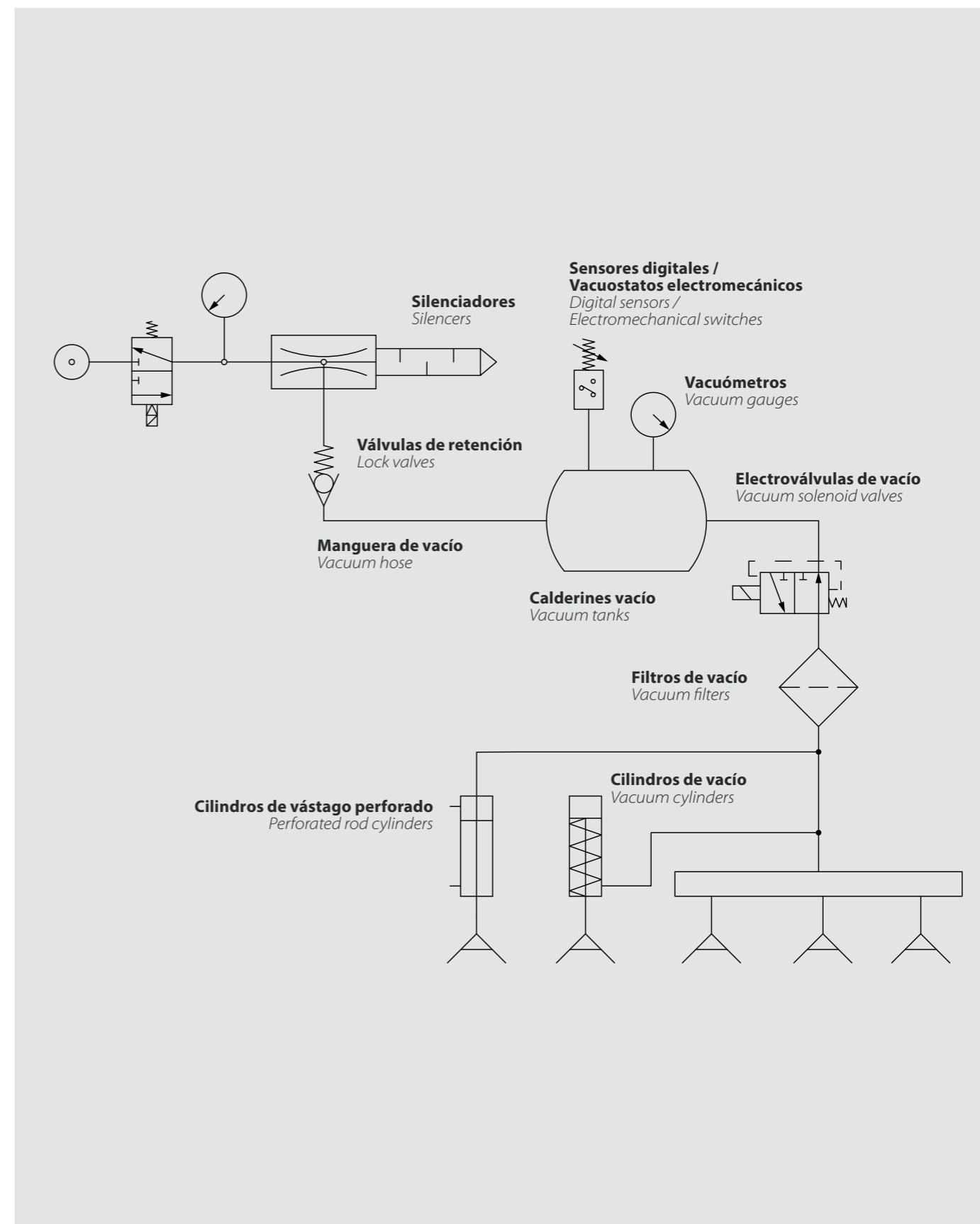
## UN SISTEMA COMPLETO DE VACÍO A COMPLETE VACUUM SYSTEM

Elementos auxiliares para sistemas de vacío, que responden a las necesidades de:

- Obtención de mediciones o señales del sistema (vacuómetros, manómetros, y vacuostatos)
- Regulación y control (reguladores y válvulas)
- Tratamiento y reserva del aire (calderines de vacío/ presión)
- Posicionamiento (cilindros de vacío y cilindros de vástago perforado)
- Conexión (regletas y manguera).

Auxiliary elements for vacuum systems that respond to the needs of:

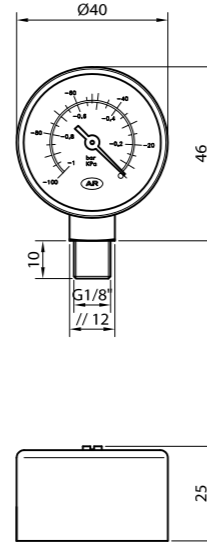
- Obtaining measurements or signals of the system (vacuum gauges, pressure gauges, and vacuum switches)
- Regulation and control (dampers and valves)
- Treatment and Air Reserve (boilers vacuum / pressure)
- Positioning (empty cylinders and cylinders drilled shaft)
- Connection (terminals and hose).



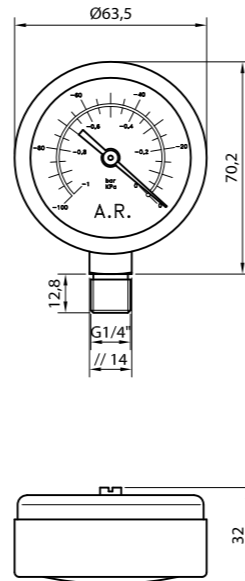
VACUÓMETROS  
VACUUM GAUGES



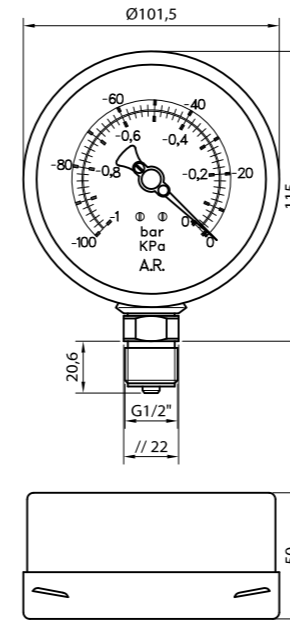
Ø40 B



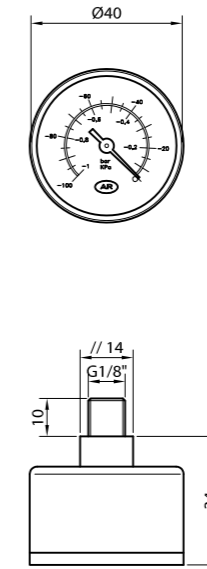
Ø65 B



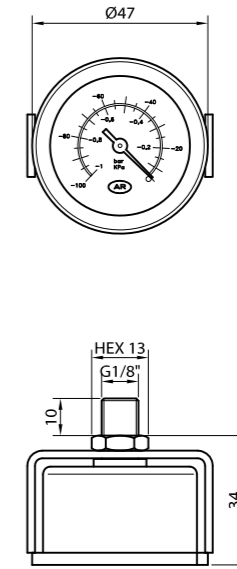
Ø100 B



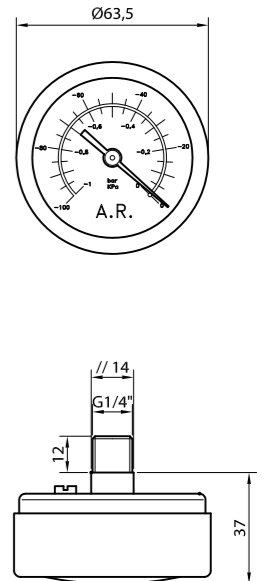
Ø40 T



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]

40	65	100	40	40	65
0 ... -1 / 0 ... -100	0 ... -1 / 0 ... -100	0 ... -1 / 0 ... -100	0 ... -1 / 0 ... -100	0 ... -1 / 0 ... -100	0 ... -1 / 0 ... -100
-20 ... +60°	-20 ... +60°	-20 ... +60°	-20 ... +60°	-20 ... +60°	-20 ... +60°
± 0,3% FS	± 0,3% FS	± 0,3% FS	± 0,3% FS	± 0,3% FS	± 0,3% FS
± 1,6% FS	± 1,6% FS	± 1,6% FS	± 1,6% FS	± 1,6% FS	± 1,6% FS
G1/8"	G1/4"	G1/2"	G1/8"	G1/8"	G1/4"
43	144	489	63	97	135

CÓMO PEDIR · HOW TO ORDER

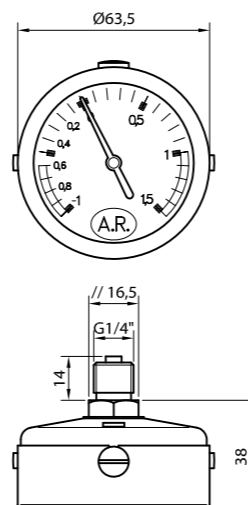
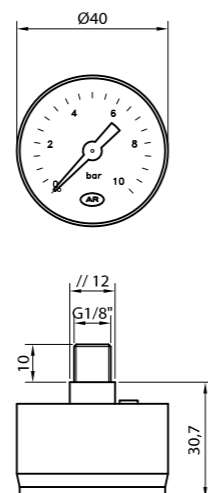
Vacuómetro con conexión inferior Vacuum gauge with bottom connection	INDRB40	INDRB65	INDRB100	--	--
Vacuómetro con conexión trasera Vacuum gauge with rear connection	--	--	--	INDRT40	INDRT65
Vacuómetro con conexión trasera para panel Vacuum gauge with rear connection for panels	--	--	--	--	INDRT40PL
Vacuómetro de conexión inferior con glicerina Vacuum gauge with bottom connection and glycerine	--	--	INDRB100GLI	--	--
Vacuómetro de conexión trasera con glicerina Vacuum gauge with rear connection and glycerine	--	--	--	--	INDRT65GLI

MANÓMETROS  
PRESSURE GAUGES



Ø40

Ø65



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]

40	65
0 ... +10	-1 ... +1,5
-20 ... +60°	-20 ... +60°
± 0,3% FS	± 0,3% FS
± 2% FS	± 2% FS
G1/8"	G1/4"
49	314

CÓMO PEDIR · HOW TO ORDER

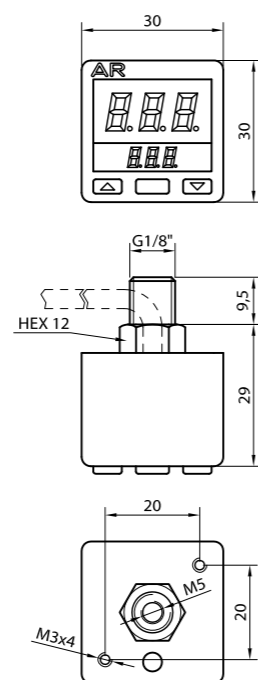
Manómetro con conexión trasera Pressure gauge with rear connection
Mano-vacuómetro con conexión trasera Pressure-vacuum gauge with rear connection

INDRTM40	--
--	INDMANVAC65

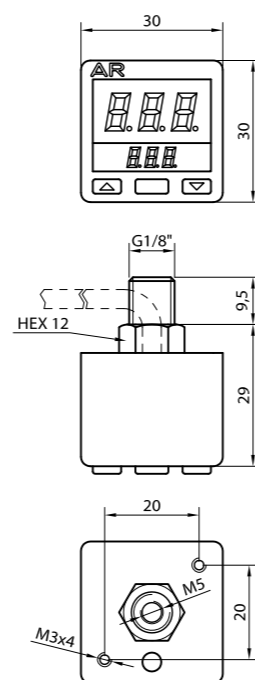
SENSORES DIGITALES  
DIGITAL SENSORS



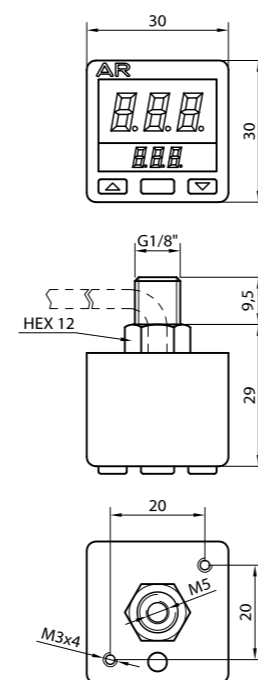
AP 51/2



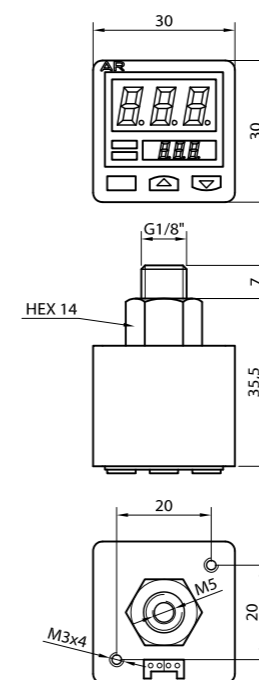
AP 51/A



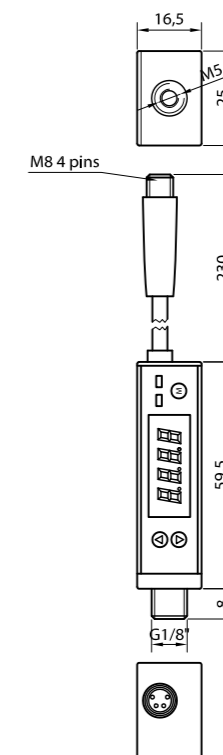
AP 52/A



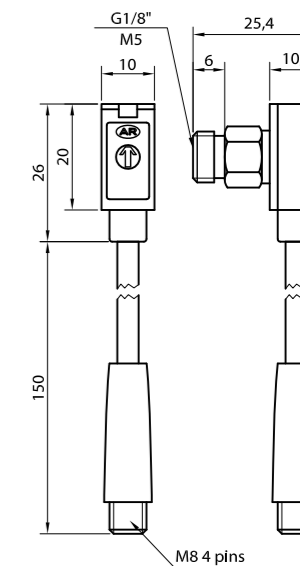
AP 41



RC 41



VEM 1/8



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]

3 1/2 dígitos	3 1/2 digits
Sí	Yes
-1 ... 0	
3	
Ajustable	Adjustable
0,001	
12 ... 24	
Cable	
2 x PNP	
125 mA	
IP40	
G1/8"; M5	
Aire	Air
0 ... 50	
50	

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	

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	

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	

3 1/2 dígitos	3 1/2 digits
No	
-1 ... 0	
3	
Ajustable	Adjustable
0,001	
12 ... 24	
M8 x 4 pin macho	male
2 x PNP	
80 mA	
IP40	
G1/8"; M5	
Aire	Air
0 ... 50	
35	

LED rojo	Red LED
No	
-1 ... 0	
6	
3% F.S	
--	
10,8 ... 30	
M8 x 4 pin macho	male
1 x PNP	
80 mA	
IP40	
G1/8"	
Aire	Air
0 ... 50	
8,3	

CÓMO PEDIR · HOW TO ORDER

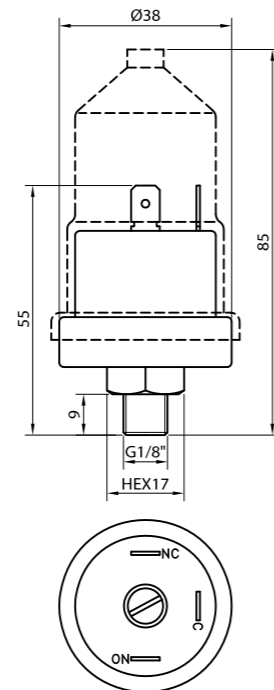
Sensor de vacío	Vacuum sensor
Cable con conector recto M8x4 pin, longitud 2 / 5 m	Cable with straight M8x4 pin connector, length 2 / 5 m
Cable con conector codo M8x4 pin, longitud 1,5 / 3 m	Cable with elbow M8x4 pin connector, length 1,5 / 3 m

INDAP51PNP2	INDAP51PNPA	INDAP52PNPA	INDAP41PNPCON	INDRC41PNPCON	INDVEM1/8PNPCON
--	--	--	--	INDCBL2CON	INDCBL2CON
--	--	--	--	INDCBL1.5CONC INDCBL3CONC	INDCBL1.5CONC INDCBL3CONC

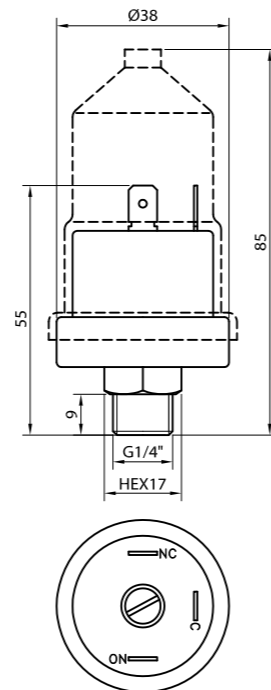
VACUOSTATOS ELECTROMECAÑICOS  
ELECTROMECHANICAL VACUUM SWITCH



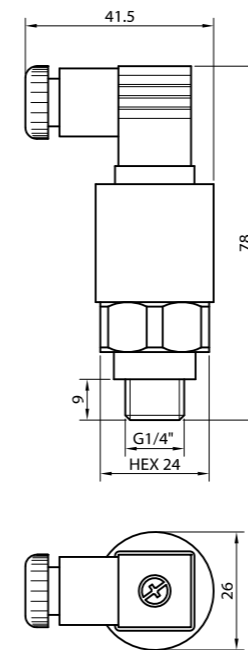
VAR 100 1/8



VAR 100 1/4



VAR 100 1/4 C1



CARACTERÍSTICAS · CHARACTERISTICS

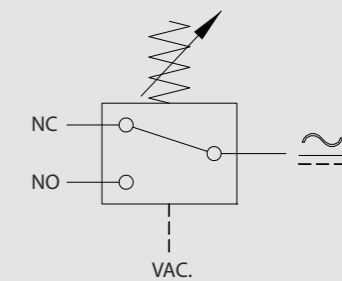
Rango de regulación de presión <i>Pressure setting range</i>	[mbar]
Función de salida <i>Output function</i>	
Límites de presión de trabajo <i>Operation pressure limit</i>	[bar]
Histéresis <i>Hysteresis</i>	[mbar]
Tensión máxima <i>Max voltage</i>	[V AC]
Corriente de carga <i>Load current</i>	[mbar]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

CÓMO PEDIR · HOW TO ORDER

Vacuostato electromecánico  
Electromechanical vacuum switch

-200 ... -990	-200 ... -990	-700 (fijo) -700 (fixed)
NA/NC NO/NC	NA/NC NO/NC	NA/NC NO/NC
-0,9 ... 10	-0,9 ... 10	-0,9 ... 10
150 ± 50	150 ± 50	150 ± 50
250	250	250
5 A (250 V AC)	5 A (250 V AC)	5 A (250 V AC)
IP40	IP40	IP65
G 1/8"	G 1/4"	G 1/4"
Aire <i>Air</i>	Aire <i>Air</i>	Aire <i>Air</i>
0 ... +50	0 ... +50	0 ... +50
80	84	75
INDVAR1001/8	INDVAR1001/4	INDVAR1001/4C1

ESQUEMA NEUMATICO  
PNEUMATIC DIAGRAM

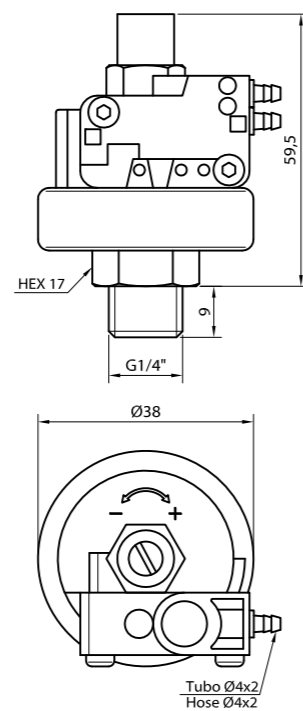


- Dispositivos de conmutación eléctrica para control de la presión de vacío.
- Utilizados en sistemas de seguridad y ahorro de energía, o en cualquier aplicación en la que sea necesario conocer si la presión de vacío se encuentra por encima o por debajo de un cierto valor.
- Punto de conmutación regulable 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.*

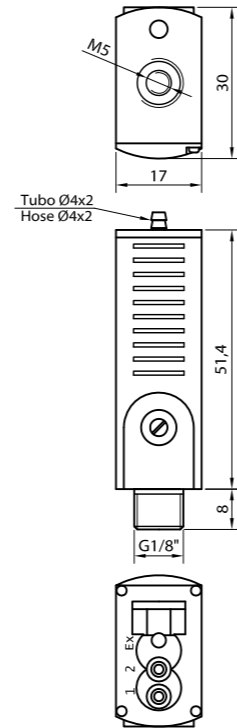
VACUOSTATOS NEUMÁTICOS  
PNEUMATIC VACUUM SWITCHES



VAR 100 1/4 PN



VACPN



CARACTERÍSTICAS · CHARACTERISTICS

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

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

300 ... +850
-1 ... 2
80 -10
2 ... 6
G 1/8"
Aire <i>Air</i>
-10 ... +80
32

CÓMO PEDIR · HOW TO ORDER

Vacuostato neumático normalmente abierto  
*Normally open pneumatic vacuum switch*

Vacuostato neumático normalmente cerrado  
*Normally closed pneumatic vacuum switch*

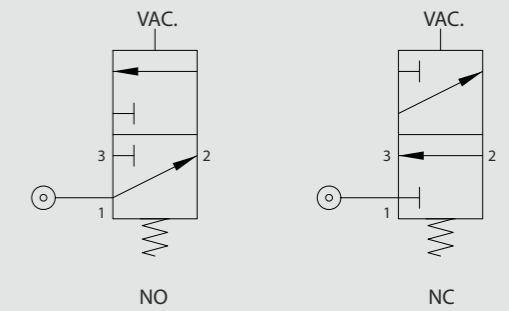
INDVAR1001/4PNNA

INDVAR1001/4PNNC

INDVACPNA

INDVACPNC

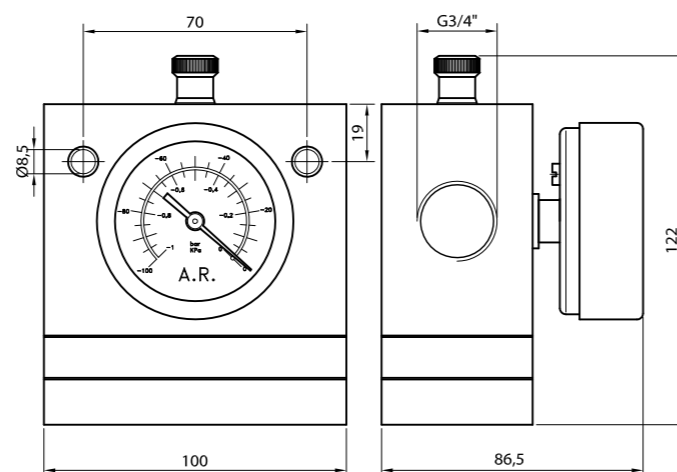
ESQUEMA NEUMÁTICO  
PNEUMATIC DIAGRAM



- 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).

- *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.*
- *Includes normally-opened (NA) and normally-closed (NC) outputs.*

G3/4"



**CARACTERÍSTICAS · CHARACTERISTICS**

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

**CÓMO PEDIR · HOW TO ORDER**

Regulador de vacío  
*Vacuum regulator*

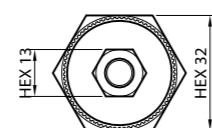
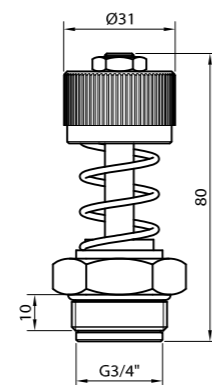
Membr-piston	
Indiferente	<i>Indifferent</i>
50	
-1 ... -866	
-7 ... +90	
Al, Latón, NBR	<i>Al, Brass, NBR</i>
G3/4"	
1514	
ECONRED3/4	



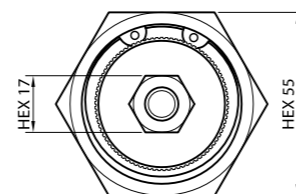
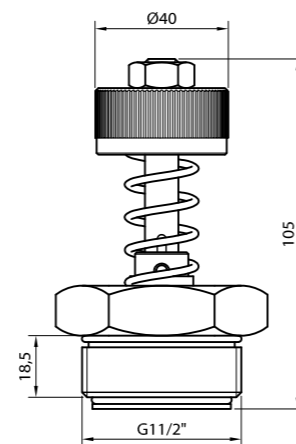
VÁLVULAS DE SEGURIDAD PARA VACÍO  
SECURITY VACUUM VALVES



G3/4"



G11/2"



CARACTERÍSTICAS · CHARACTERISTICS

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

Indiferente	Indifferent
-900 ... -5	
Juntas NBR	Gaskets NBR
G3/4"	
187	

Indiferente	Indifferent
-900 ... -5	
Juntas NBR	Gaskets NBR
G11/2"	
585	

CÓMO PEDIR · HOW TO ORDER

Válvula de seguridad para vacío	Security vacuum valve
---------------------------------	-----------------------

ECONVREG3/4
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ECONVREG11/2
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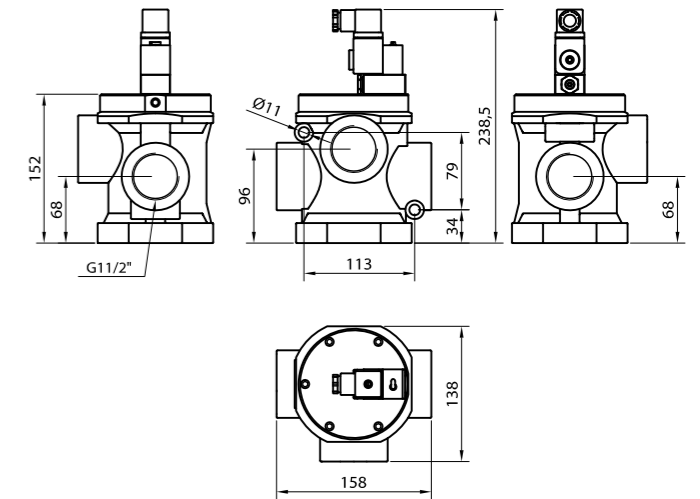
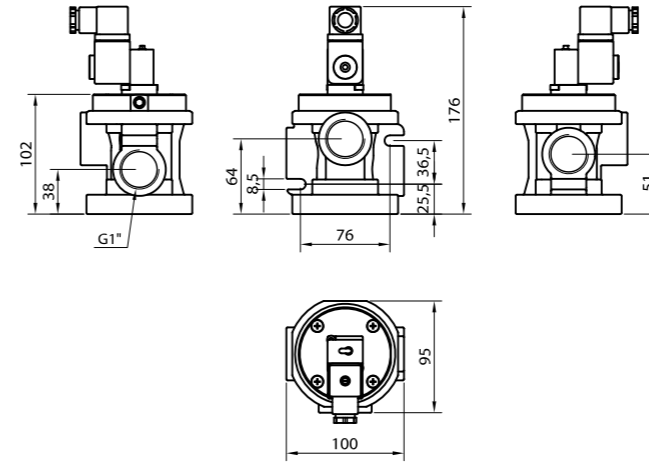
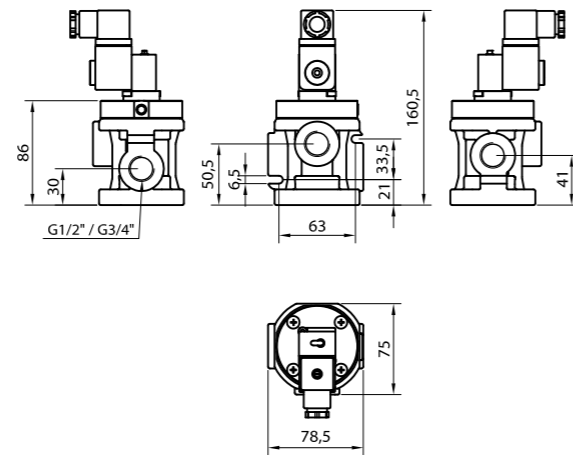
ELECTROVÁLVULAS DE VACÍO  
SOLENOID VACUUM VALVES

G1/2"

G3/4"

G1"

G1 1/2"



CARACTERÍSTICAS · CHARACTERISTICS

Fluido <i>Fluid</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>	
Peso <i>Weight</i>	[g]

Aire, gases inertes <i>Air, inert gases</i>	Aire, gases inertes <i>Air, inert gases</i>
333	333
11	11
G1/2"	G3/4"
-20 ... 60	-20 ... 60
2,5	2,5
30	30
25	25
IP65	IP65
870	870

Aire, gases inertes <i>Air, inert gases</i>
1.500
24
G1"
-20 ... 60
2,5
40
30
IP65
1305

Aire, gases inertes <i>Air, inert gases</i>
3.000
34
G1 1/2"
-20 ... 60
2,5
70
50
IP65
3215

CÓMO PEDIR · HOW TO ORDER

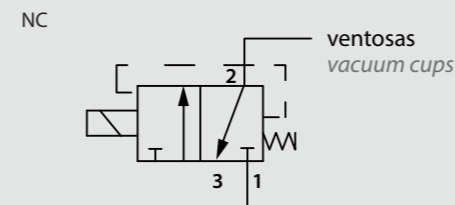
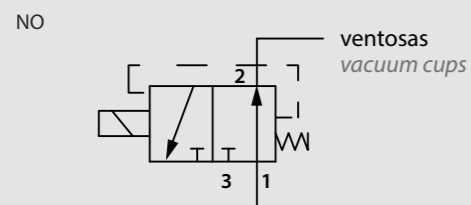
Electroválvula de vacío normalmente abierta <i>Vacuum solenoid valve normally open</i>
Electroválvula de vacío normalmente cerrada <i>Vacuum solenoid valve normally closed</i>

EVV32R1/224CNA	EVV32R3/424CNA
EVV32R1/224CNC	EVV32R3/424CNC

EVV32R124CNA
EVV32R124CNC

EVV32R11/224CNA
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ESQUEMA NEUMÁTICO · PNEUMATIC DIAGRAM

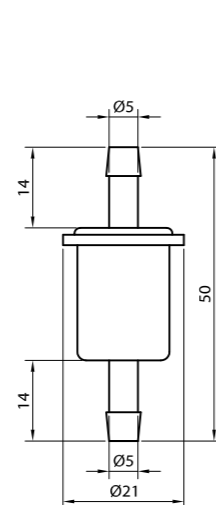


**FILTROS DE VACÍO**  
VACUUM FILTERS

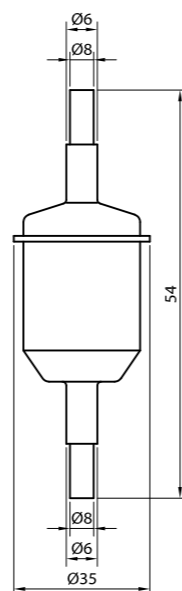
**LINEA**  
LINE



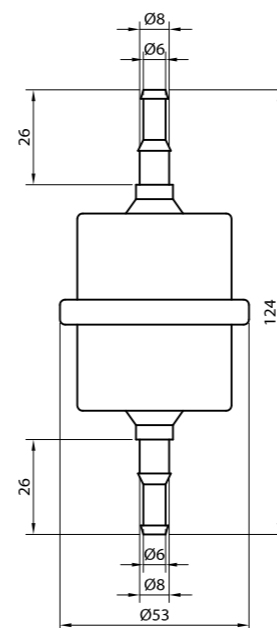
**Ø6**



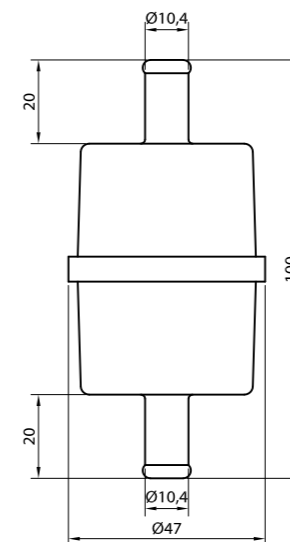
**Ø8**



**Ø10**



**Ø12**



**CARACTERÍSTICAS · CHARACTERISTICS**

Tubos recomendados *Recommended tubes*

Material filtrante *Filter material*

Grado de filtración *Filtration level* [μ]

Material del cuerpo *House materials*

Peso *Weight* [g]

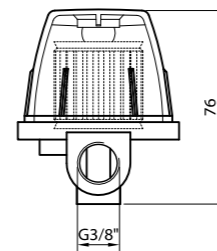
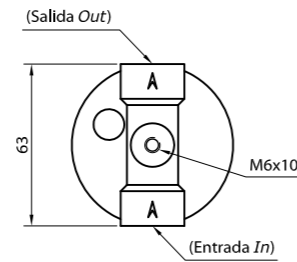
**CÓMO PEDIR · HOW TO ORDER**

Filtro completo de vacío  
*Complete vacuum filter*

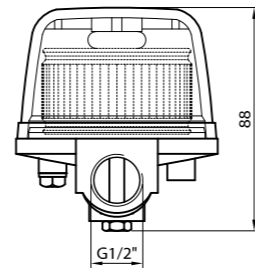
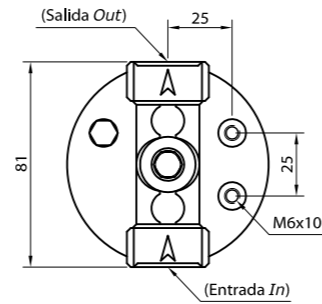
T6x4	T8x6, T8x5.5	T10x8, T10x7, T8x5.5	T12x10
papel <i>paper</i>	papel <i>paper</i>	plástico <i>plastic</i>	papel <i>paper</i>
30	30	30	30
plástico <i>plastic</i>	plástico <i>plastic</i>	plástico <i>plastic</i>	plástico <i>plastic</i>
3	13	35	34
FILLINT4P	FILLINT5.5P	FILLINT7PL	FILINT10P



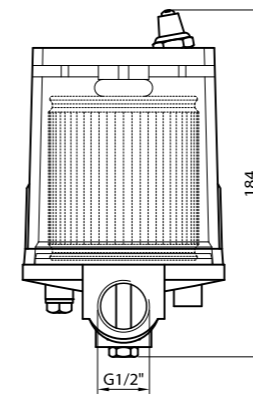
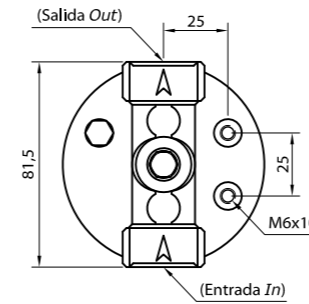
**G3/8"**



**G1/2"**



**G1/2" L**



**CARACTERÍSTICAS · CHARACTERISTICS**

Conexión <i>Connection</i>	
Material filtrante <i>Filtering material</i>	
Grado de filtración <i>Filtration level</i>	[μ]
Máximo caudal de aspiración <i>Max air suction flow</i>	[NL/min]
Temperatura de trabajo <i>Working Temperature</i>	[°C]
Material del cuerpo <i>House materials</i>	
Peso <i>Weight</i>	[g]

**CÓMO PEDIR · HOW TO ORDER**

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

<b>G3/8"</b>
inox <i>s.steel</i> / papel <i>paper</i>
60 inox <i>s.steel</i> / 15 papel <i>paper</i>
300
-20 ... +50
Durethan T40, Al, NBR
126

<b>G1/2"</b>
inox <i>s.steel</i>
60
600
-20 ... +50
Durethan T40, Al, NBR
248

<b>G1/2"</b>
inox <i>s.steel</i>
60
1.300
-20 ... +50
Durethan T40, Al, NBR
338

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

FILFNU1/2
--
FILKITFNU1/2
--

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

FILTROS DE VACÍO  
VACUUM FILTERS

# FVP



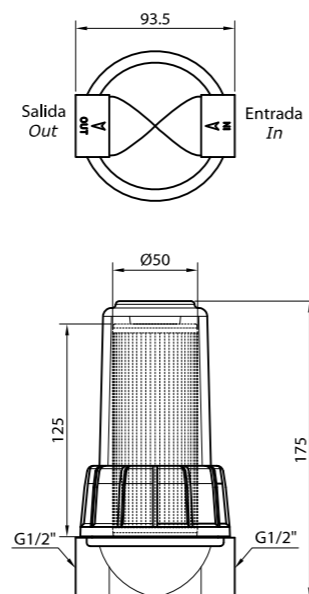
CARACTERÍSTICAS · CHARACTERISTICS

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

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

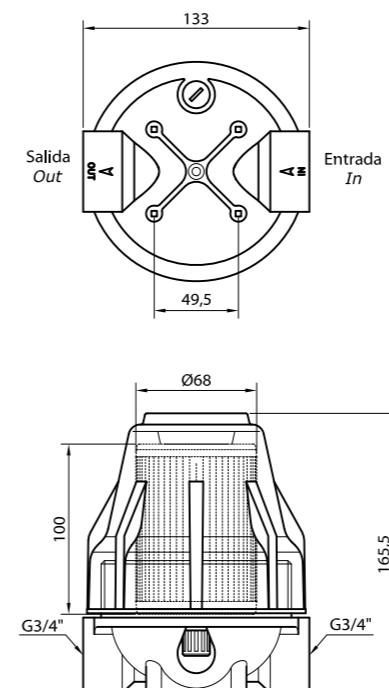
## G1/2"



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
460 inox s. steel / 420 papel paper / 400 plástico plastic

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

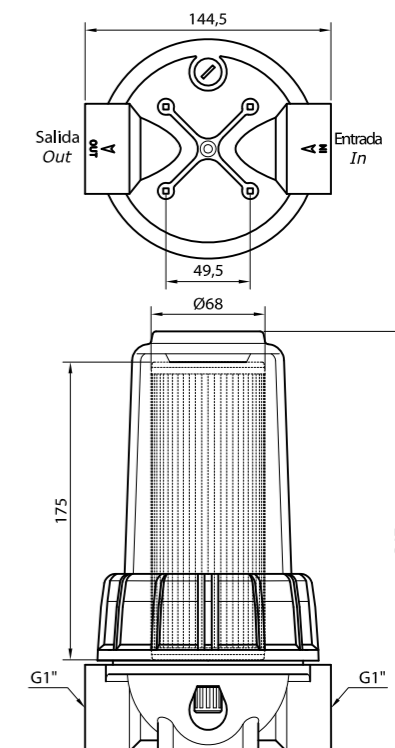
## G3/4"



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
784 inox s. steel / 750 papel paper / 735 plástico plastic

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

## G1"

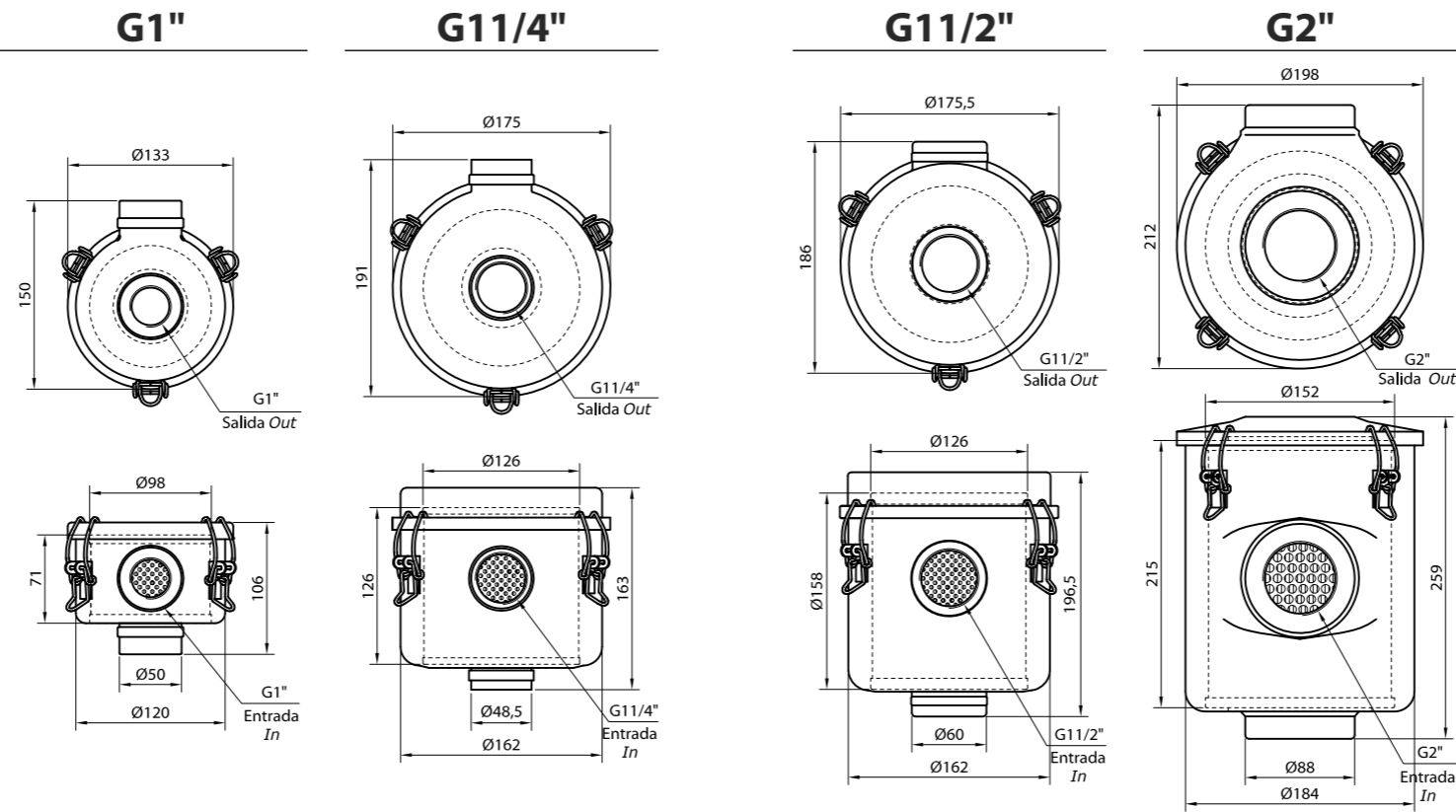


G1"
inox s. steel / papel paper / plástico plastic
50 inox s. steel / 25 papel paper / 50 plástico plastic
1.167 inox s. steel / 1.167 papel paper / 1.833 plástico plastic
-20 ... +50
PP, SAN, ETP, latón PP, SAN, ETP, brass
1.030 inox s. steel / 980 papel paper / 960 plástico plastic

FILFVP1
FILFVP1P
FILFVP1PL
FILKITFVP1
FILKITFVP1P
FILKITFVP1PL

FILTROS DE VACÍO  
VACUUM FILTERS

# FMV



**CARACTERÍSTICAS · CHARACTERISTICS**

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

**CÓMO PEDIR · HOW TO ORDER**

Filtro completo de vacío <i>Complete vacuum filter</i>
Recambio de cartucho <i>Paper cartridge spare part</i>

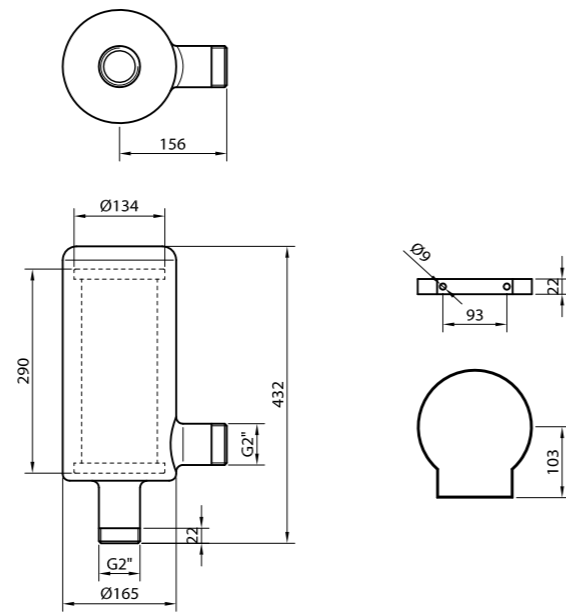
G1"	G11/4"	G11/2"	G2"
10	10	10	10
1.500	2.200	2.800	5.000
papel <i>paper</i>	papel <i>paper</i>	papel <i>paper</i>	papel <i>paper</i>
-20 ... +50	-20 ... +50	-20 ... +50	-20 ... +50
Fe, Nbr	Fe, Nbr	Fe, Nbr	Fe, Nbr
1200	1800	2050	4634
FILFMV1	FILFMV11/4	FILFMV11/2	FILFMV2
FILKITFMV1	FILKITFMV11/4	FILKITFMV11/2	FILKITFMV2

FILTROS DE VACÍO  
VACUUM FILTERS

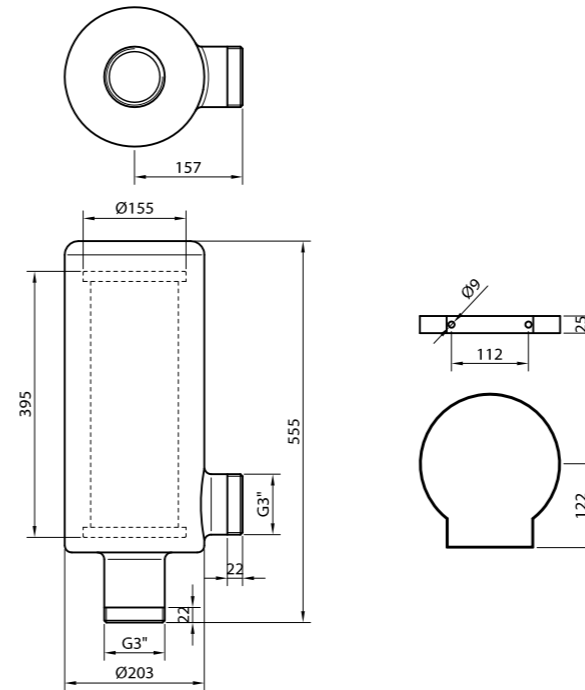
FCL



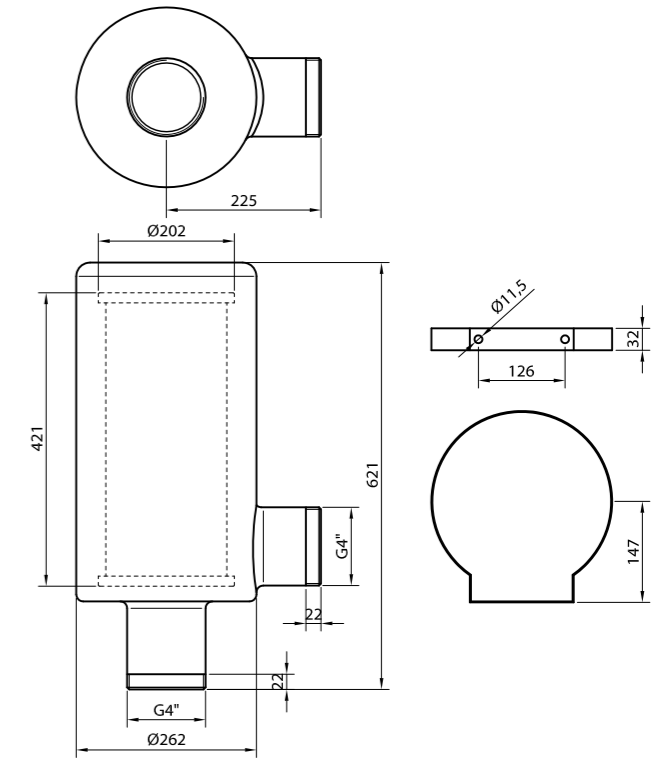
G2"



G3"



G4"



CARACTERÍSTICAS · CHARACTERISTICS

Conexión <i>Connection</i>	
Grado de filtración <i>Filtration level</i>	[μ]
Máximo caudal de aspiración <i>Max air suction flow</i>	[m³/h]
Material filtrante <i>Filter material</i>	
Temperatura de trabajo <i>Working Temperature</i>	[°C]
Material del cuerpo <i>House materials</i>	
Peso <i>Weight</i>	[g]

CÓMO PEDIR · HOW TO ORDER

Filtro completo de vacío <i>Complete vacuum filter</i>	
Abrazadera <i>Bracket</i>	
Recambio de cartucho <i>Paper cartridge spare part</i>	

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

	FILFCL2
	FILFCL2ABR
	FILKITFCL2

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

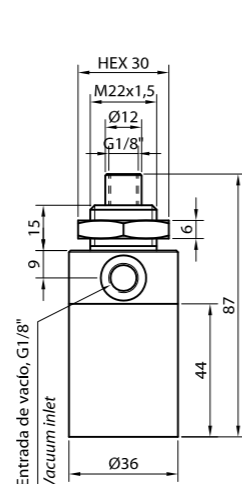
	FILFCL3
	FILFCL3ABR
	FILKITFCL3

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

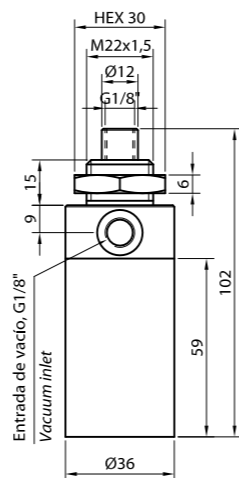
	FILFCL4
	FILFCL4ABR
	FILKITFCL4



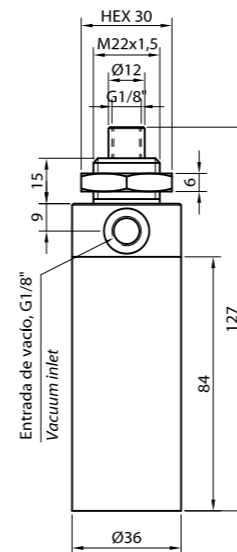
10



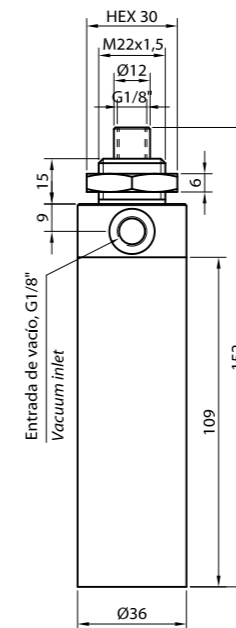
25



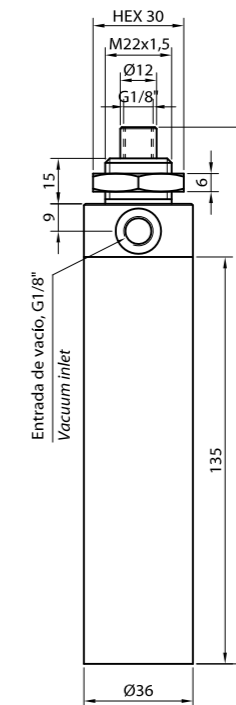
50



75



100



CARACTERÍSTICAS · CHARACTERISTICS

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

10	25	50	75	100
Aire Air	Aire Air	Aire Air	Aire Air	Aire Air
-1	-1	-1	-1	-1
0,750	0,750	0,750	0,750	0,750
-20 ... +80	-20 ... +80	-20 ... +80	-20 ... +80	-20 ... +80
Al; CrMo	Al; CrMo	Al; CrMo	Al; CrMo	Al; CrMo
330	370	463	555	650

CÓMO PEDIR · HOW TO ORDER

Cilindro de vacío Vacuum cylinder
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CILCRV3210	CILCRV3225	CILCRV3250	CILCRV3275	CILCRV32100
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CÓMO FUNCIONA · HOW IT WORKS

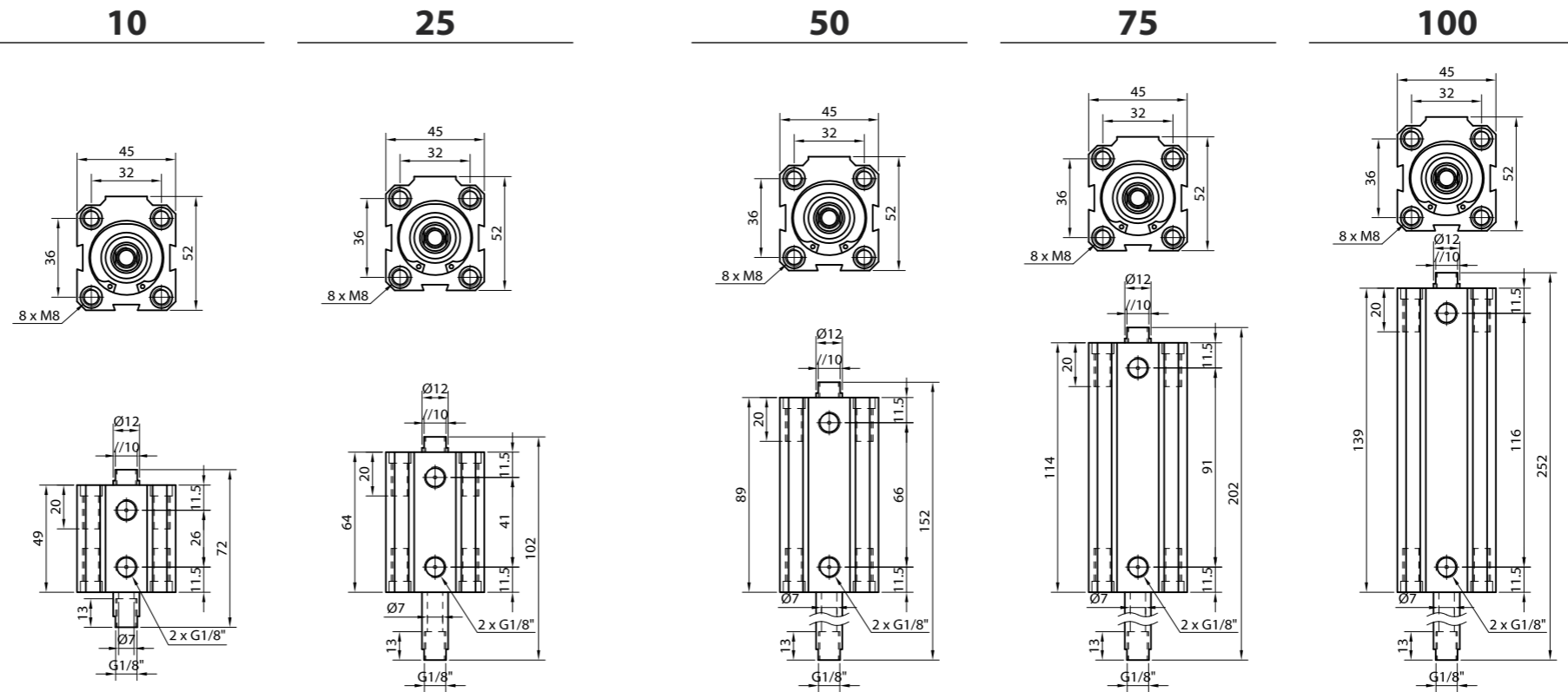
- Cilindros de ciclo rápido accionados por vacío, preparados para el montaje de una ventosa en su extremo.
- Al alimentar el cilindro con vacío, el vástago sale automáticamente hasta que la ventosa encuentra pieza. En este momento el vástago se retrae de forma automática hasta su posición inicial.
-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

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

	10	25	50	75	100
Aire Air	Aire Air	Aire Air	Aire Air	Aire Air	Aire Air
Presión máxima Max pressure	10	10	10	10	10
Fuerza de empuje Thrust force (6 bar)	365	365	365	365	365
Fuerza de retorno Traction force (6 bar)	365	365	365	365	365
Temperatura de trabajo Working Temperature	-20 ... +80	-20 ... +81	-20 ... +82	-20 ... +83	-20 ... +84
Materiales Materials	Al, CrMo	Al, CrMo	Al, CrMo	Al, CrMo	Al, CrMo
Peso Weight	280	357	484	611	739

**CÓMO PEDIR · HOW TO ORDER**

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

CILCVP3210A	CILCVP3225A	CILCVP3250A	CILCVP3275A	CILCVP32100A
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CILINDROS DE VÁSTAGO PERFORADO  
PERFORATED ROD CYLINDERS

**CVP**  
**Ø40**



	10	25	50	75	100
<b>Diagramas</b>					
<b>Stroke</b>	10	25	50	75	100
<b>Fluid</b>	Aire Air	Aire Air	Aire Air	Aire Air	Aire Air
<b>Max pressure</b>	10	10	10	10	10
<b>Thrust side force (6 bar)</b>	664	664	664	664	664
<b>Traction side force (6 bar)</b>	559	559	559	559	559
<b>Working Temperature</b>	-20 ... +80	-20 ... +81	-20 ... +82	-20 ... +83	-20 ... +84
<b>Materials</b>	Al, CrMo	Al, CrMo	Al, CrMo	Al, CrMo	Al, CrMo
<b>Weight</b>	430	543	730	918	1105
<b>CÓMO PEDIR · HOW TO ORDER</b>	CILCVP4010A	CILCVP4025A	CILCVP4050A	CILCVP4075A	CILCVP40100A

**CARACTERÍSTICAS · CHARACTERISTICS**

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

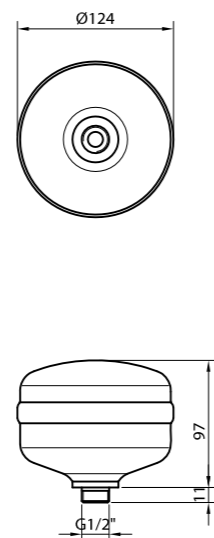
**CÓMO PEDIR · HOW TO ORDER**

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

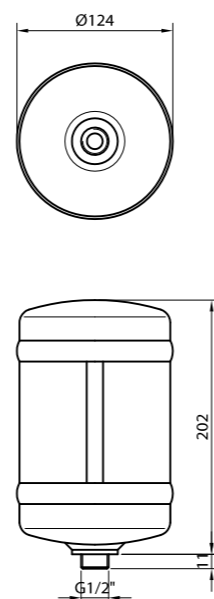
**CALDERINES DE VACÍO / PRESIÓN**  
VACUUM / PRESSURE RESERVE TANKS



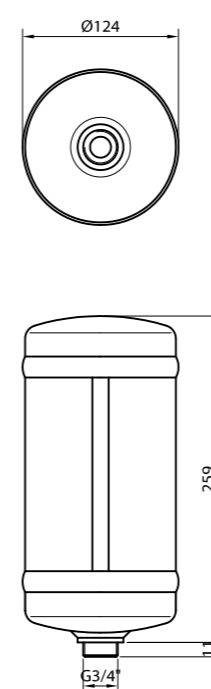
**0,5 L**



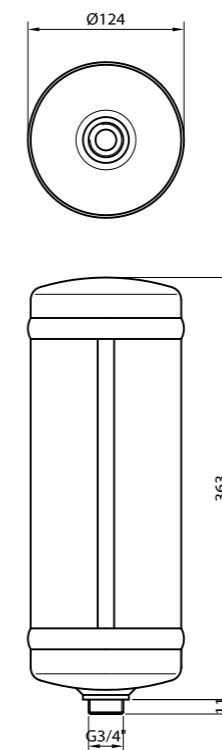
**1,5 L**



**2 L**



**3 L**



**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]

0,5	1,5	2	3
10	15,5	15,5	15,5
Al	Al	Al	Al
G1/2"	G1/2"	G3/4"	G3/4"
400	700	900	1100

**CÓMO PEDIR · HOW TO ORDER**

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

CALVAL0'5L	CALVAL1'5L	CALVAL2L	CALVAL3L
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**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**

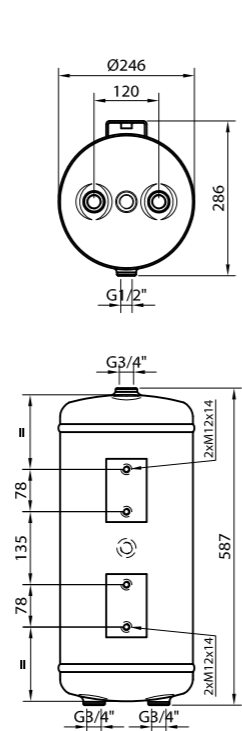
Calderín de aluminio para vacío o presión  
*Vacuum/pressure aluminium reserve tank*

	5 L	10 L	15 L	20 L
	5	10	15	20
	15,5	15,5	15,5	15,5
	Al	Al	Al	Al
	G1/2"; G3/4"	G1/2"; G3/4"	G1/2"; G3/4"	G1/2"; G3/4"
	1700	2400	3300	3700
	CALVAL5L	CALVAL10L	CALVAL15L	CALVAL20L

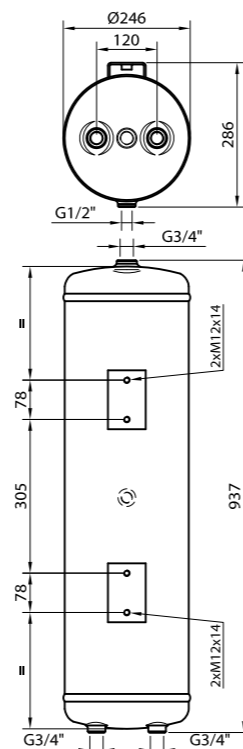
CALDERINES DE VACÍO / PRESIÓN  
VACUUM / PRESSURE RESERVE TANKS



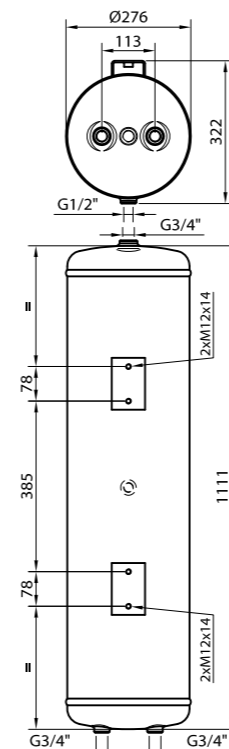
25 L



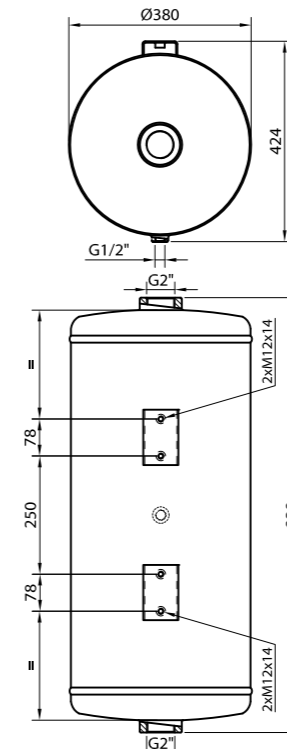
40 L



60 L



100 L



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]

25	40	60	100
15,5	15,5	15,5	12
Al	Al	Al	Al
G1/2"; G3/4"	G1/2"; G3/4"	G1/2"; G3/4"	G1/2"; G2"
4600	7300	9300	11300

CÓMO PEDIR · HOW TO ORDER

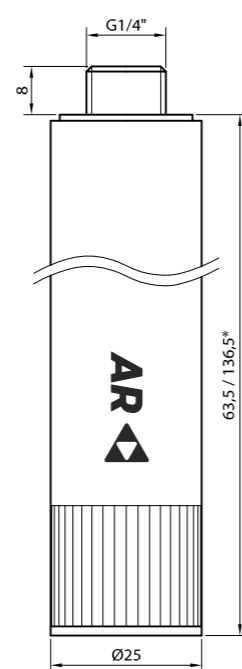
Calderín de aluminio para vacío o presión  
*Vacuum/pressure aluminium reserve tank*

CALVAL25L	CALVAL40L	CALVAL60L	CALVAL100L
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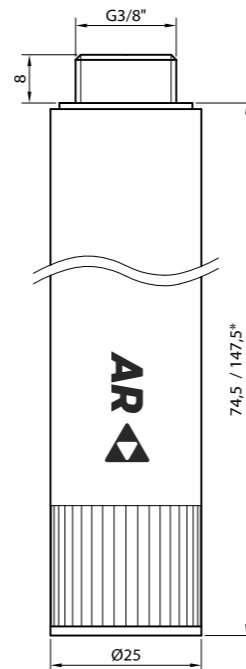
SILENCIADORES  
SILENCERS



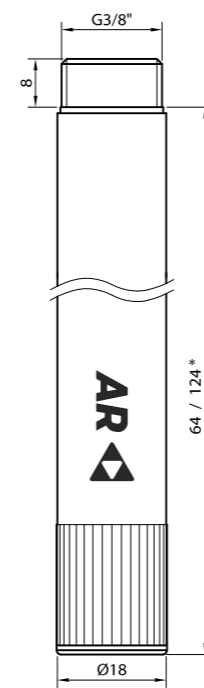
G1/4"



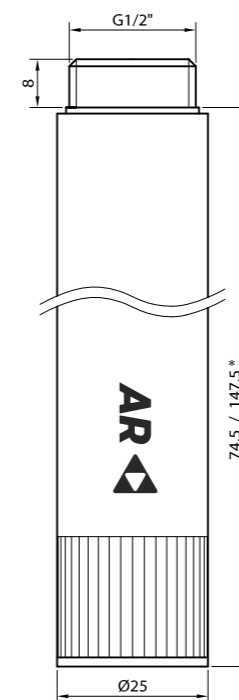
G3/8"



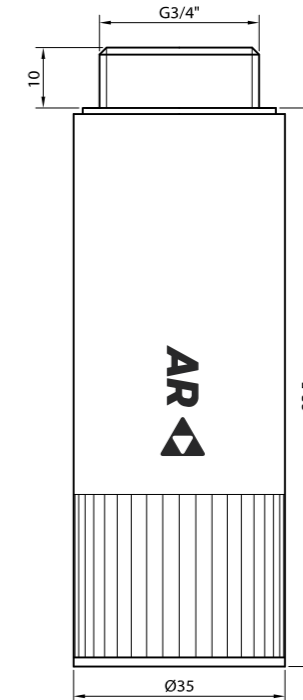
G3/8" - Ø18



G1/2"



G3/4"



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

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

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

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

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

SILRL1/4
SILRL1/4LG

SILRL3/8
SILRL3/8LG

SILRL3/8 -18
SILRL3/8 -18LG

SILRL1/2
SILRL1/2LG

SILRL3/4
--

\* Extra-largo Extra-long

SILENCIADORES  
SILENCERS



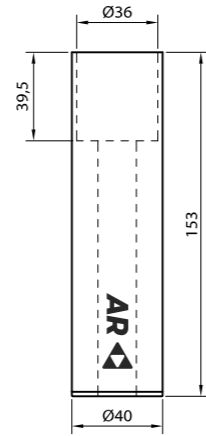
CARACTERÍSTICAS · CHARACTERISTICS

Conexión <i>Connection</i>	
Reduccion de ruido <i>Noise reduction</i>	[dB]
Materiales <i>Materials</i>	
Peso <i>Weight</i>	[g]

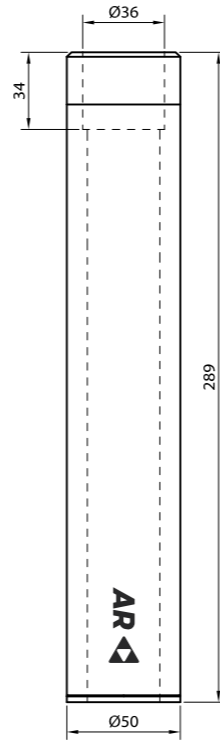
CÓMO PEDIR · HOW TO ORDER

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

Ø40

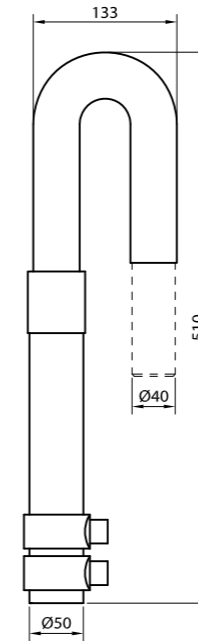


Ø50



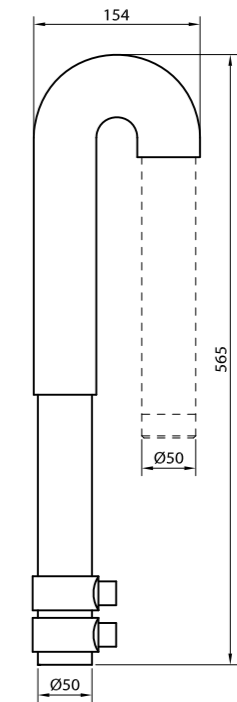
Ø36	Ø36
20	20
PUR, PEAD, PVC <i>PUR, HDPE, PVC</i>	PUR, PEAD, PVC <i>PUR, HDPE, PVC</i>
82	233
SILRL40	SILRL50

Ø40 extra



Ø40
20
PUR, PEAD, PVC. OTROS <i>PUR, HDPE, PVC, OTHERS</i>
480
--
EVKITIN40

Ø50 extra

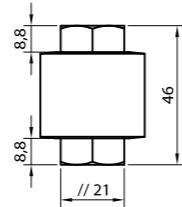
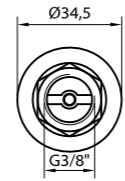


Ø50
20
PUR, PEAD, PVC. OTROS <i>PUR, HDPE, PVC, OTHERS</i>
520
--
EVKITIN50

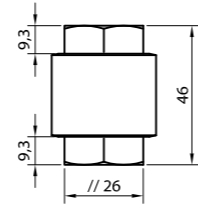
**VÁLVULAS DE RETENCIÓN DE VACÍO**  
YORK VACUUM LOCK VALVES



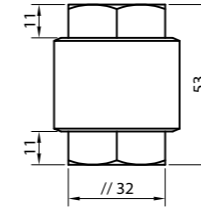
**G3/8"**



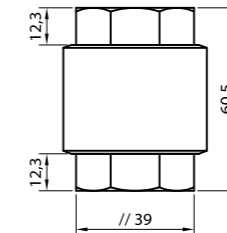
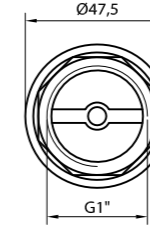
**G1/2"**



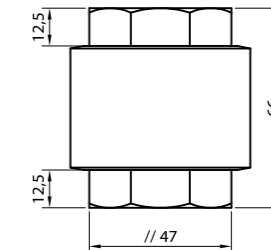
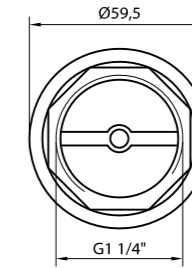
**G3/4"**



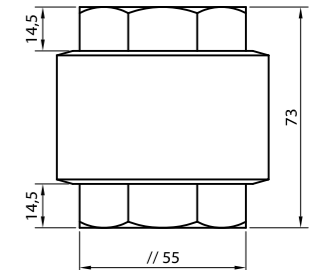
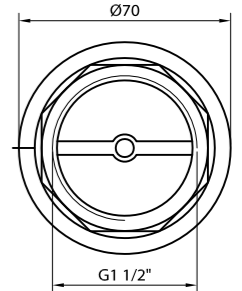
**G1"**



**G1 1/4"**



**G1 1/2"**



**CARACTERÍSTICAS · CHARACTERISTICS**

Conexión *Connection*

Materiales *Materials*

Peso *Weight* [g]

**CÓMO PEDIR · HOW TO ORDER**

Válvula de retención de vacío  
*Vacuum lock valve*

G3/8"
Latón Brass, inox s.steel, nylon, NBR
135

G1/2"
Latón Brass, inox s.steel, nylon, NBR
140

G3/4"
Latón Brass, inox s.steel, nylon, NBR
187

G1"
Latón Brass, inox s.steel, nylon, NBR
284

G1 1/4"
Latón Brass, inox s.steel, nylon, NBR
390

G1 1/2"
Latón Brass, inox s.steel, nylon, NBR
600

ECONYORK3/8
-------------

ECONYORK1/2
-------------

ECONYORK3/4
-------------

ECONYORK1
-----------

ECONYORK11/4
--------------

ECONYORK11/2
--------------

ACCESORIOS DE VACÍO  
VACUUM ACCESSORIES

ACCESORIOS DE VACÍO  
VACUUM ACCESSORIES

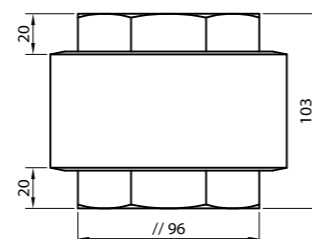
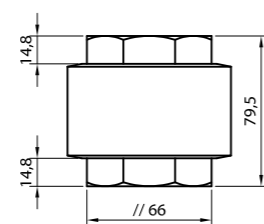
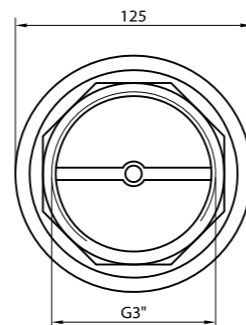
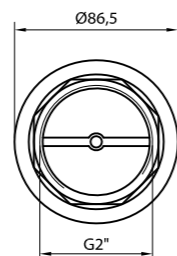


**VÁLVULAS DE RETENCIÓN DE VACÍO**  
YORK VACUUM LOCK VALVES



**G2"**

**G3"**



**CARACTERÍSTICAS · CHARACTERISTICS**

Conexión *Connection*

Materiales *Materials*

Peso *Weight* [g]

**CÓMO PEDIR · HOW TO ORDER**

Válvula de retención de vacío  
*Vacuum lock valve*

	G2"	G3"
Materiales <i>Materials</i>	Latón <i>Brass</i> , inox <i>s.steel</i> , nylon, NBR	Latón <i>Brass</i> , inox <i>s.steel</i> , nylon, NBR
Peso <i>Weight</i> [g]	883	2110
Válvula de retención de vacío <i>Vacuum lock valve</i>	ECONYORK2	ECONYORK3

REGLETAS DE VACÍO  
VACUUM DISTRIBUTORS

**G3/8" - G1/4"**



**CARACTERÍSTICAS · CHARACTERISTICS**

Conexiones Connections G1/4"

Conexiones Connections G3/8"

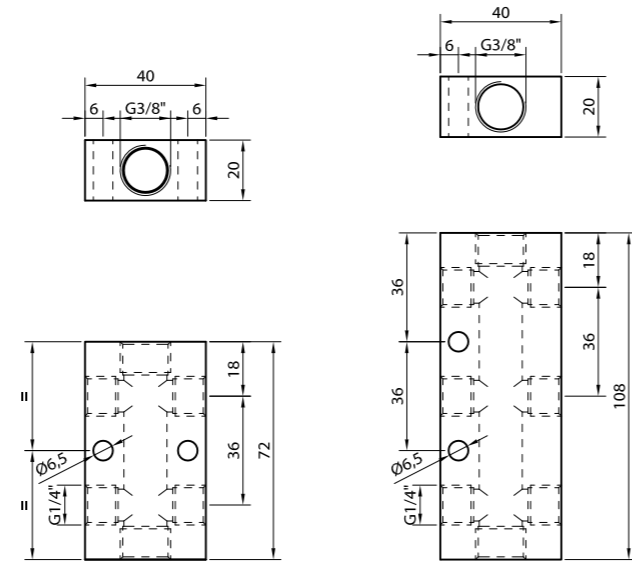
Materiales Materials

Peso Weight [g]

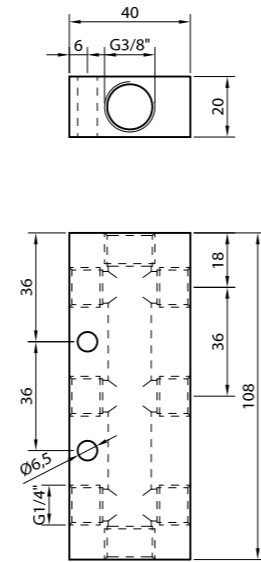
**CÓMO PEDIR · HOW TO ORDER**

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

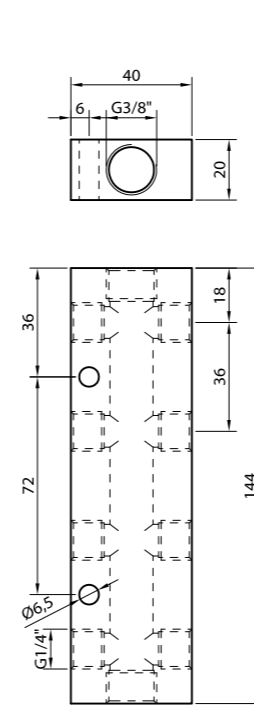
**2 + 4**



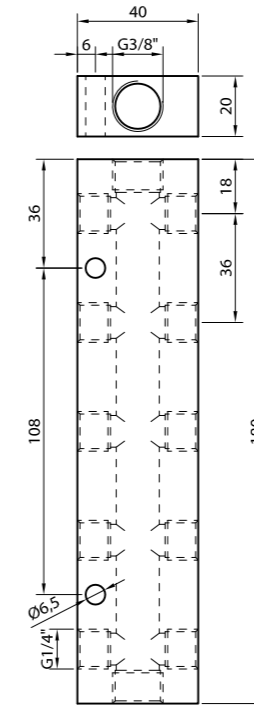
**2 + 6**



**2 + 8**



**2 + 10**



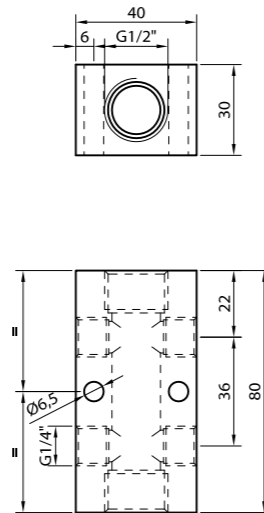
4	6	8	10
2	2	2	2
Al	Al	Al	Al
103	154	206	258
ECONDSR3/804R1/4	ECONDSR3/806R1/4	ECONDSR3/808R1/4	ECONDSR3/810R1/4

REGLETAS DE VACÍO  
VACUUM DISTRIBUTORS

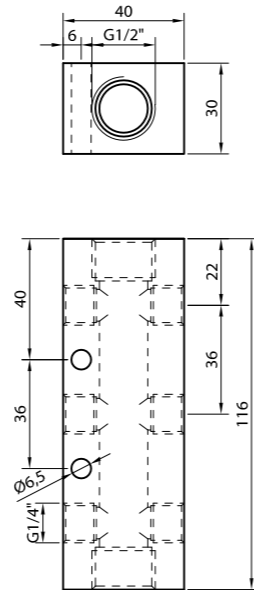
G1/2" - G1/4"



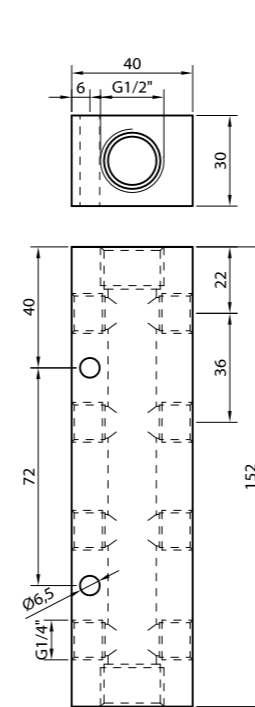
2 + 4



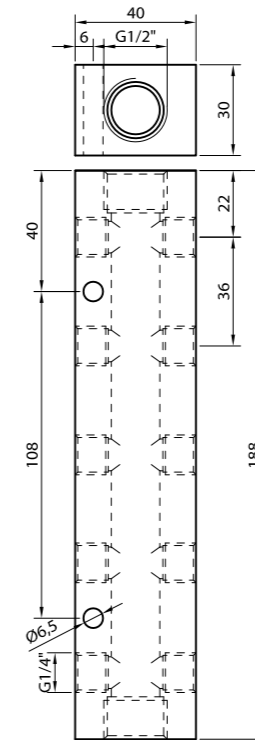
2 + 6



2 + 8



2 + 10



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"

4	6	8	10
2	2	2	2
Al	Al	Al	Al
189	275	370	463
ECONDSR1/204R1/4	ECONDSR1/206R1/4	ECONDSR1/208R1/4	ECONDSR1/210R1/4

MANGUERAS DE VACÍO  
VACUUM HOSES

ESTÁNDAR  
STANDARD



Ø15

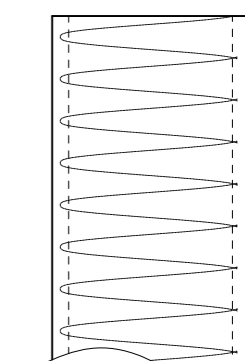
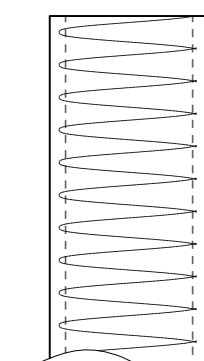
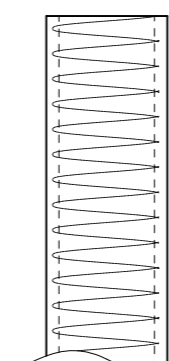
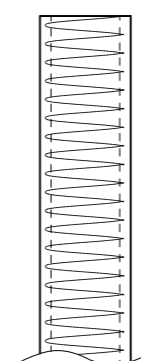
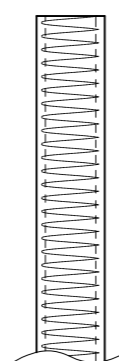
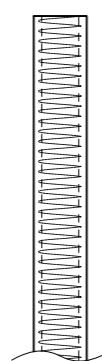
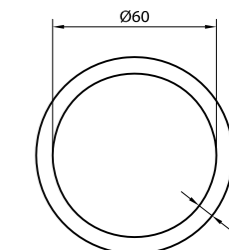
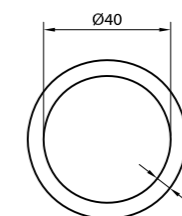
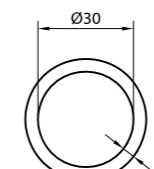
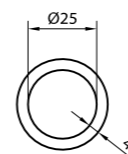
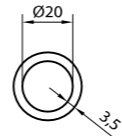
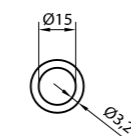
Ø20

Ø25

Ø30

Ø40

Ø60



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 depression</i>	[mbar]
Temperatura de trabajo <i>Working Temperature</i>	[°C]
Materiales <i>Materials</i>	
Peso lineal <i>Lineal Weight</i>	[g/m]

15	20	25	30	40	60
3,2	3,5	4	4	5	6
30	34	42	50	66	130
-830	-830	-830	-830	-830	-780
-10 ... +60	-10 ... +60	-10 ... +60	-10 ... +60	-10 ... +60	-10 ... +60
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>
250	350	500	600	870	1700

CÓMO PEDIR · HOW TO ORDER

Manguera reforzada para vacío  
*Reinforced vacuum hose*

VARMANG15	VARMANG20	VARMANG25	VARMANG30	VARMANG40	VARMANG60
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MANGUERAS DE VACÍO  
VACUUM HOSES

PUR FLEXIBLE  
PUR FLEXIBLE



Ø20

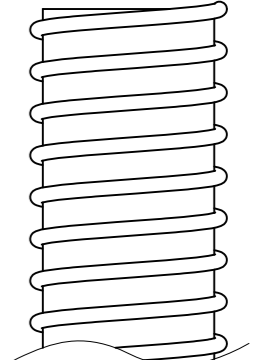
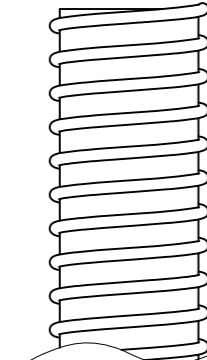
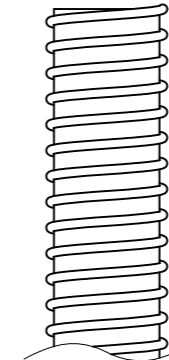
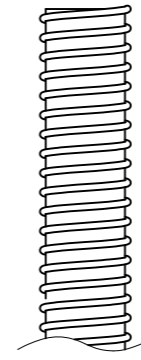
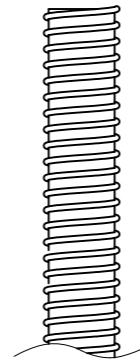
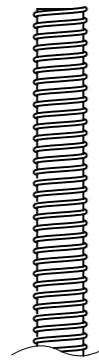
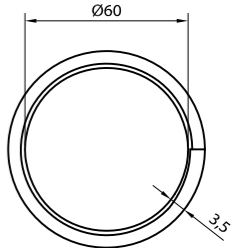
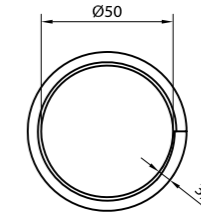
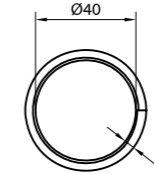
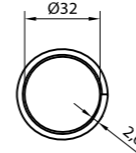
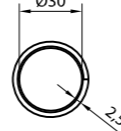
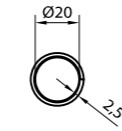
Ø30

Ø32

Ø40

Ø50

Ø60



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 depression</i>	[mbar]
Temperatura de trabajo <i>Working Temperature</i>	[°C]
Materiales <i>Materials</i>	
Peso lineal <i>Lineal Weight</i>	[g/m]

20	30	32	40	50	60
2,5	2,5	2,6	3	3,3	3,5
25	35	35	60	70	80
-245	-245	-200	-200	-200	157
-20 ... +80	-20 ... +80	-20 ... +80	-20 ... +80	-20 ... +80	-20 ... +80
PUR, PVC	PUR, PVC	PUR, PVC	PUR, PVC	PUR, PVC	PUR, PVC
100	140	155	200	290	425

CÓMO PEDIR · HOW TO ORDER

Manguera reforzada flexible para vacío  
*Reinforced flexible vacuum hose*

VARMANG20PUR

VARMANG30PUR

VARMANG32PUR

VARMANG40PUR

VARMANG50PUR

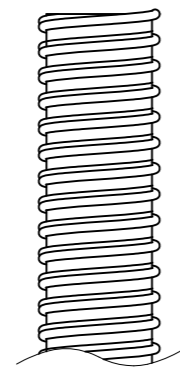
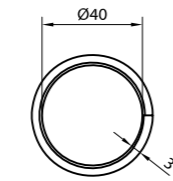
VARMANG60PUR

**MANGUERAS DE VACÍO**  
VACUUM HOSES

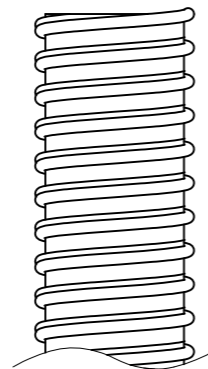
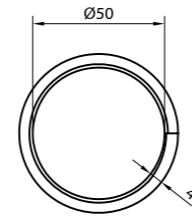
**PUR ANTIEST.**  
PUR ANTISTATIC



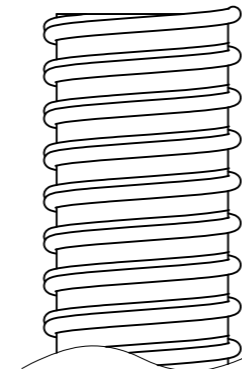
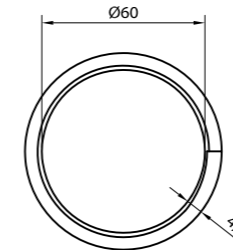
**Ø40**



**Ø50**



**Ø60**



**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 depression</i>	[mbar]
Temperatura de trabajo <i>Working Temperature</i>	[°C]
Materiales <i>Materials</i>	
Peso lineal <i>Lineal Weight</i>	[g/m]

40
3
70
-300
-20 ... +80
PUR, PVC, Cu
400

50
4
87
-300
-20 ... +80
PUR, PVC, Cu
500

60
4,3
100
-300
-20 ... +80
PUR, PVC, Cu
600

**CÓMO PEDIR · HOW TO ORDER**

Manguera reforzada antiestática para vacío  
*Antistatic reinforced vacuum hose*

VARMANG40AST

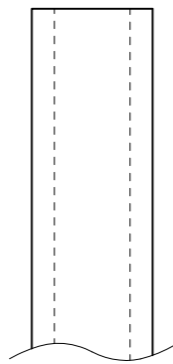
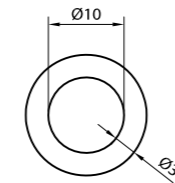
VARMANG50AST

VARMANG60AST

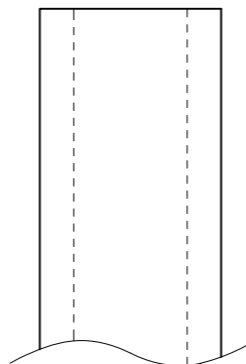
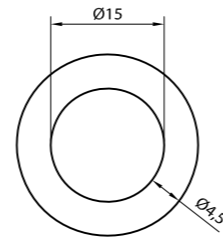
**MANGUERAS DE PRESIÓN**  
PRESSURE HOSES



**Ø10**



**Ø15**



**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]

10
3
70
20
-15 ... +60
PVC, NBR, PET
120

15
4,5
125
20
-15 ... +60
PVC, NBR, PET
440

**CÓMO PEDIR · HOW TO ORDER**

Manguera de presión  
*Pressure hose*

VARMANG15PRES

VARMANG10PRES