

AR

**TECNOLOGÍA DE VACÍO**  
*VACUUM TECHNOLOGY*





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*PRESSURE HOSE*

## UN SISTEMA COMPLETO DE VACÍO

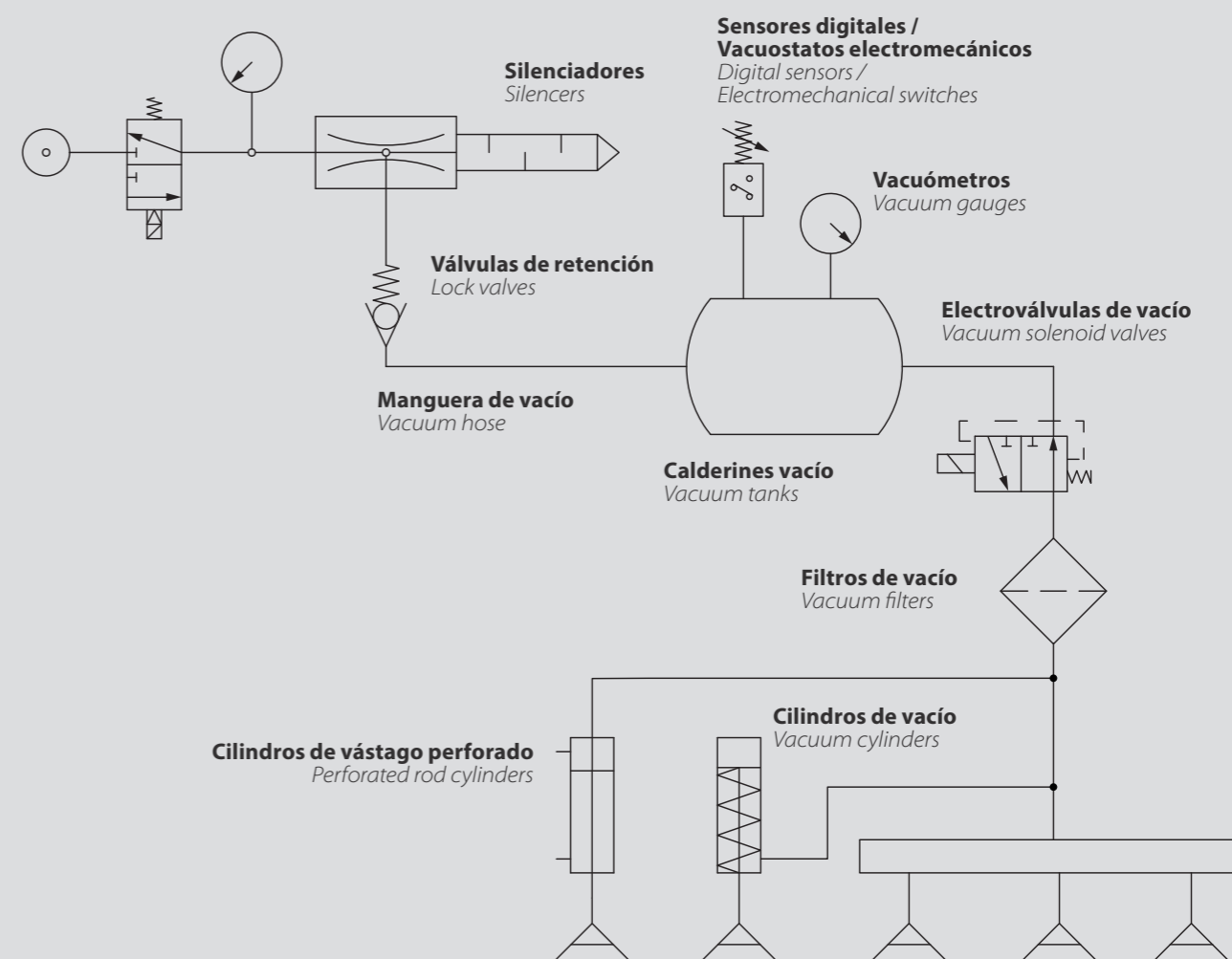
### A COMPLETE VACUUM SYSTEM

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:

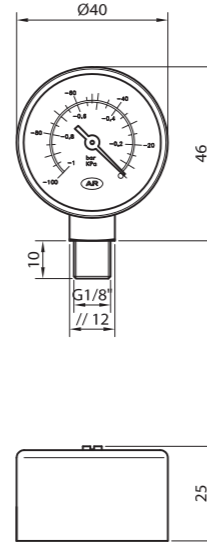
- Obtaining measurements or signals of the system (vacuum gauges, pressure gauges, and vacuum switches)
- Regulation and control (dampers and valves)
- Treatment and Air Reserve (boilers vacuum / pressure)
- Positioning (empty cylinders and cylinders drilled shaft)
- Connection (terminals and hose).



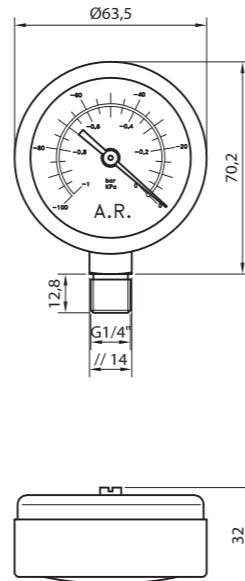
**VACUÓMETROS**  
VACUUM GAUGES



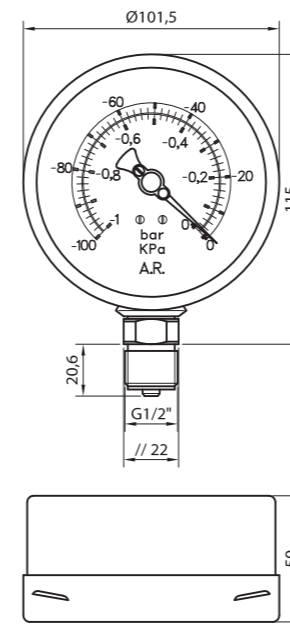
**Ø40 B**



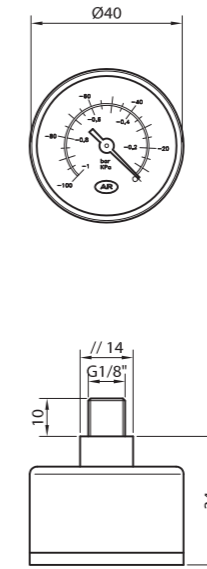
**Ø65 B**



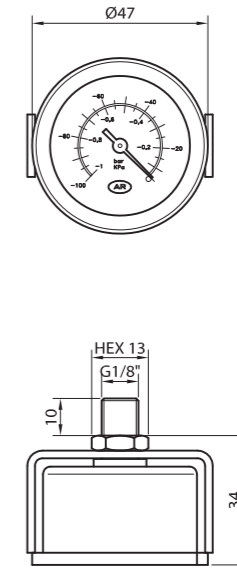
**Ø100 B**



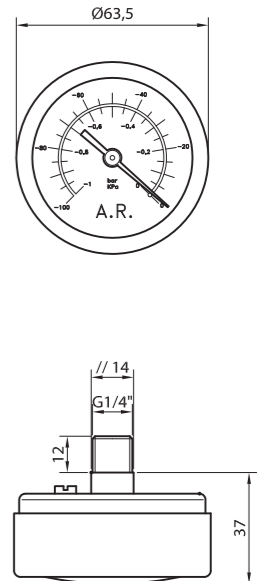
**Ø40 T**



**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**

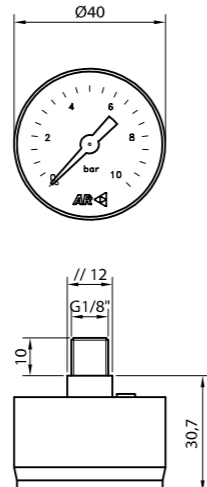
Vacuómetro con conexión inferior Vacuum gauge with bottom connection
Vacuómetro con conexión trasera Vacuum gauge with rear connection
Vacuómetro con conexión trasera para panel Vacuum gauge with rear connection for panels
Vacuómetro de conexión trasera con glicerina Vacuum gauge with rear connection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

INDRB40	INDRB65	INDRB100	--	--	--
--	--	--	INDRT40	--	INDRT65
--	--	--	--	INDRT40PL	--
--	--	--	--	--	INDRT65GLI

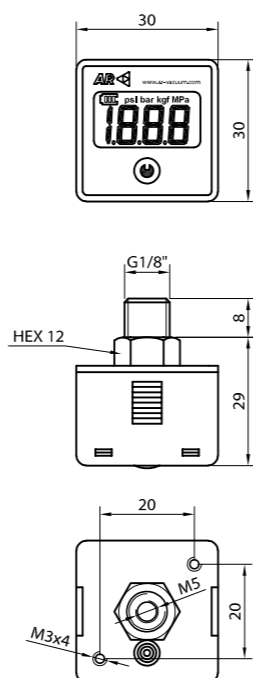
**MANÓMETROS Y MANO-VACUOMETROS**  
PRESSURE AND PRESSURE-VACUUM GAUGES



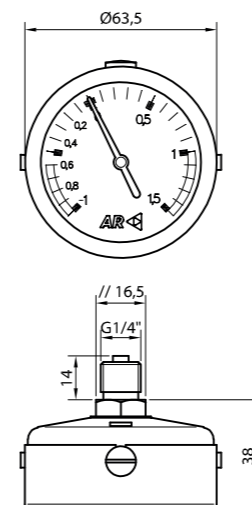
**Ø40**



**AP 62**



**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]

**CÓMO PEDIR · HOW TO ORDER**

Manómetro con conexión trasera  
Pressure gauge with rear connection

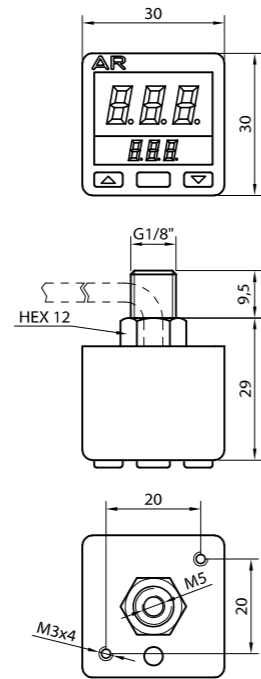
Mano-vacuómetro con conexión trasera  
Pressure-vacuum gauge with rear connection

40	65	65
0 ... +10	-1 ... +10	-1 ... +1,5
-20 ... +60°	0 ... +50°	-20 ... +60°
± 0,3% FS	± 2% FS	± 0,3% FS
± 2% FS	± 2% FS	± 2% FS
G1/8"	G1/8"	G1/4"
49	40	314
INDRTM40	--	--
--	INDAP62	INDMANVAC65

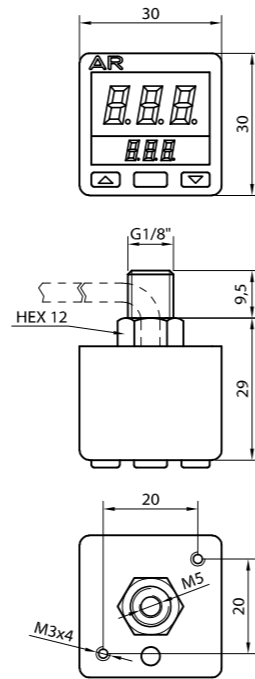
SENSORES DIGITALES  
DIGITAL SENSORS



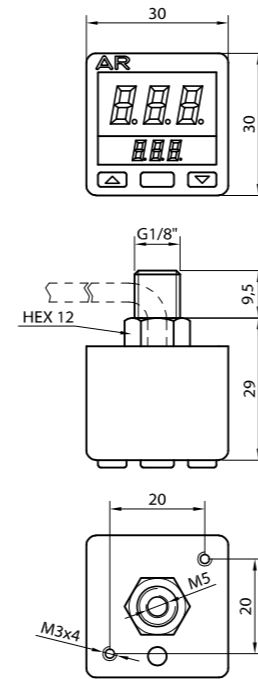
AP 51



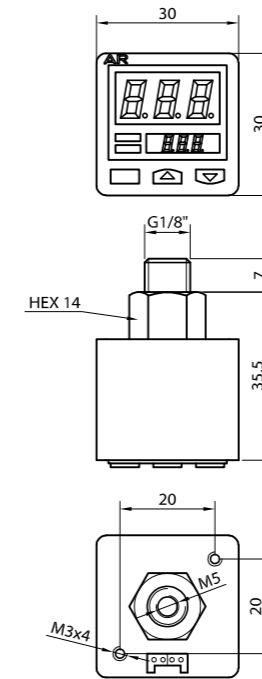
AP 51/A



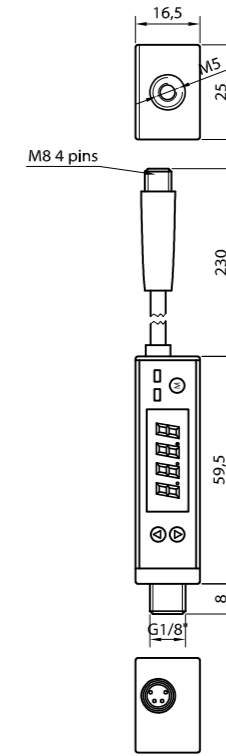
AP 52/A



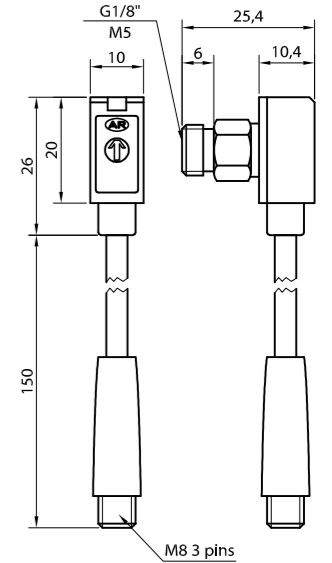
AP 41



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	Aplicable 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 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 ... 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 pins 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 3 pins macho	male
1 x PNP	
80 mA	
IP40	
G1/8"	
0 ... 50	
8,3	

CÓMO PEDIR · HOW TO ORDER

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

INDAP51PNPCON

INDAP51PNPA

INDAP52PNPA

INDAP41PNPCON

INDRC41PNPCON

INDVEM1/8PNPCON

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--

INDCBL2CON

EVABUR4M8CBL2CON/C

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INDCBL1.5CONC

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INDCBL3CONC

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**VACUOSTATOS ELECTROMECÁNICOS**  
ELECTROMECHANICAL VACUUM SWITCH



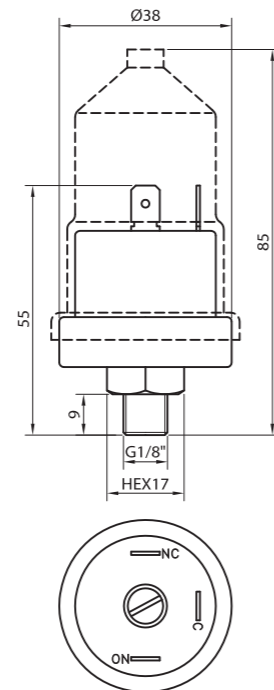
**CARACTERÍSTICAS · CHARACTERISTICS**

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]

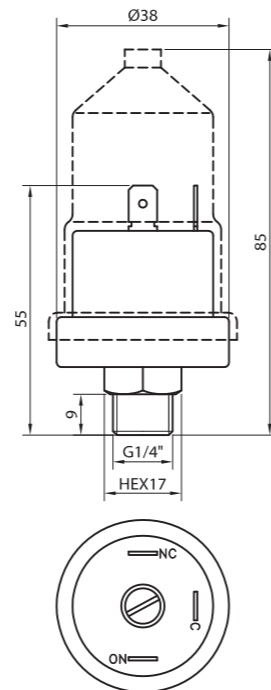
**CÓMO PEDIR · HOW TO ORDER**

Vacuostato electromecánico  
Electromechanical vacuum switch

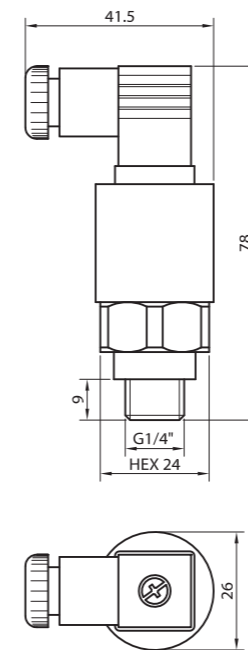
**VAR 100 1/8**



**VAR 100 1/4**

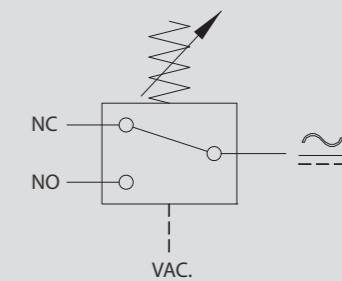


**VAR 100 1/4 C1**



-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

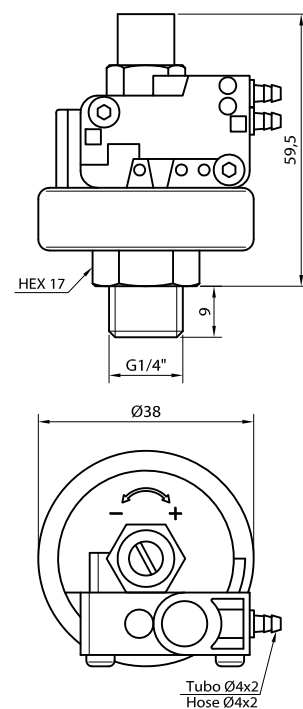
**ESQUEMA NEUMATICO**  
PNEUMATIC DIAGRAM



- 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**



**CARACTERÍSTICAS · CHARACTERISTICS**

Rango de regulación de presión <i>Pressure setting range</i>	[mbar]	-150 ... -950
Límites de presión de trabajo <i>Operation pressure limit</i>	[bar]	-0,9 ... 10
Histéresis <i>Hysteresis</i>	[mbar]	150 ± 50
Señal neumática <i>Pneumatic signal</i>	[bar]	2 ... 8
Puerto de conexión <i>Connection port</i>		G 1/4"
Medios aplicables <i>Aplicable media</i>		Aire <i>Air</i>
Temperatura de trabajo <i>Working temperature</i>	[°C]	-10 ... +60
Peso <i>Weight</i>	[g]	82

**CÓMO PEDIR · HOW TO ORDER**

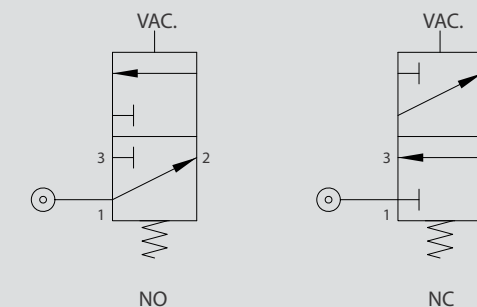
Vacuostato neumático normalmente abierto  
*Normally open pneumatic vacuum switch*

INDVAR1001/4PNNA

Vacuostato neumático normalmente cerrado  
*Normally closed pneumatic vacuum*

INDVAR1001/4PNNC

**ESQUEMA NEUMÁTICO**  
PNEUMATIC DIAGRAM

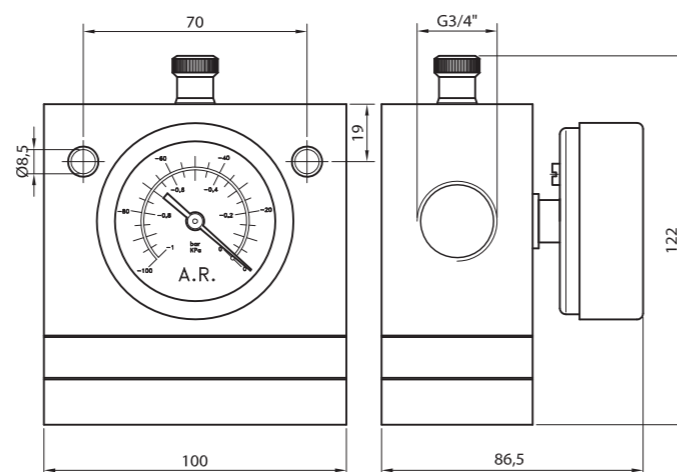


- Dispositivos de conmutación neumática para control de la presión de vacío.
- Utilizados en sistemas de seguridad y ahorro de energía, o en cualquier aplicación en la que sea necesario conocer si la presión de vacío se encuentra por encima o por debajo de un cierto valor.
- Punto de conmutación regulable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

- *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.*



**G3/4"**



**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 <i>Materials</i>		
Conexión <i>Connection</i>		
Peso	Weight	[g]

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

**CÓMO PEDIR · HOW TO ORDER**

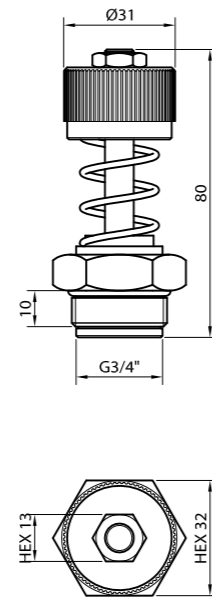
Regulador de vacío
Vacuum regulator

ECONRED3/4
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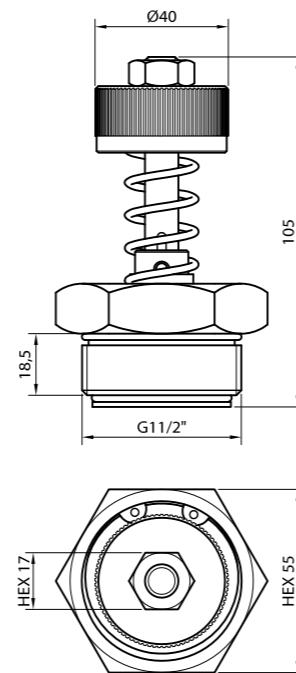
**VÁLVULAS LIMITADORAS PARA VACÍO**  
RELIEF VACUUM VALVES



**G3/4"**



**G11/2"**



**CARACTERÍSTICAS · CHARACTERISTICS**

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

**CÓMO PEDIR · HOW TO ORDER**

Válvula limitadora para vacío  
*Relief vacuum valve*

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

Indiferente <i>Indifferent</i>
-900 ... -5
AL, SS, CUZN, NBR
G11/2"
585

ECONVREG3/4

ECONVREG11/2

[mbar]

**Caudal de fuga máxima\* [NI/min]**  
*Maximum leak flow\* [NI/min]*

-100
-200
-300
-400
-500
-600
-700
-800
-900

**G3/4"**

409
543
618
656
663
663
663
663
663

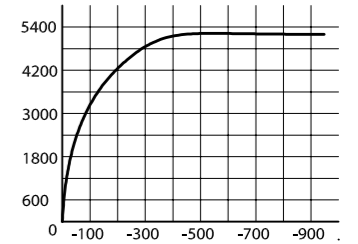
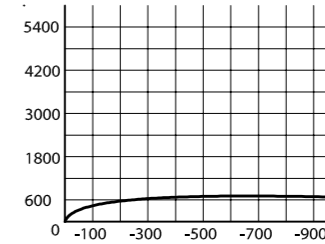
**G11/2"**

3.221
4.274
4.866
5.160
5.219
5.219
5.219
5.219
5.219

**Caudal de fuga máxima\* [NI/min]**  
*Maximum leak flow\* [NI/min]*

**Depresión [mbar]**  
*Vacuum level [mbar]*

VS



\* 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 G11/2", el orificio equivalente es Ø24 mm *For the G11/2" valve, the equivalent hole is Ø24 mm*

ELECTROVÁLVULAS DE VACÍO  
SOLENOID VACUUM VALVES

**EVV77**

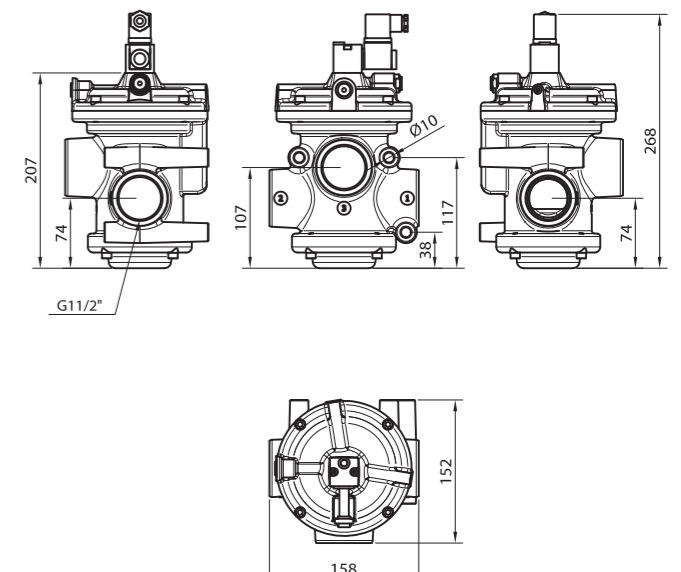
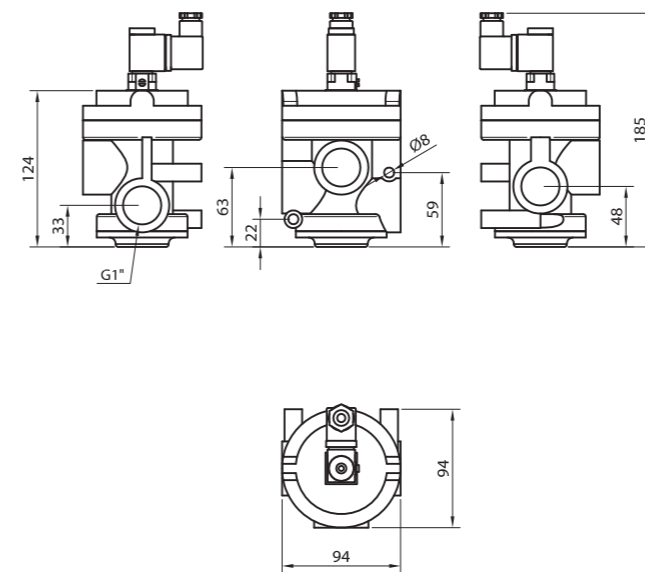
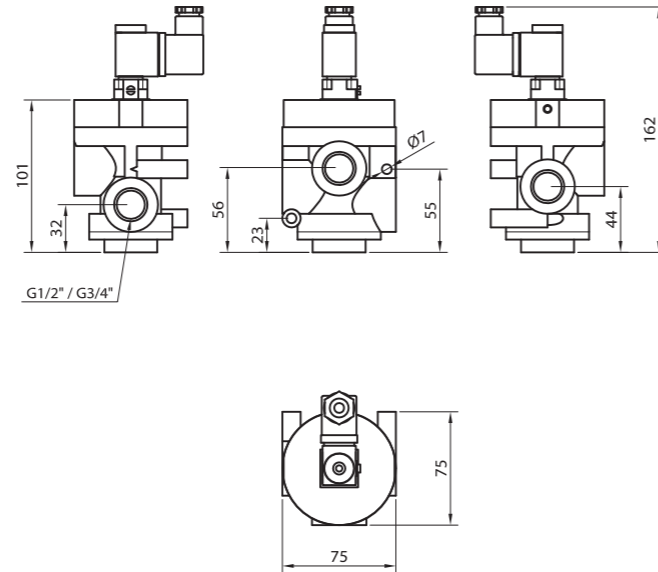


**G1/2"**

**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**

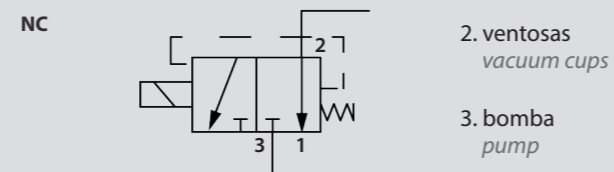
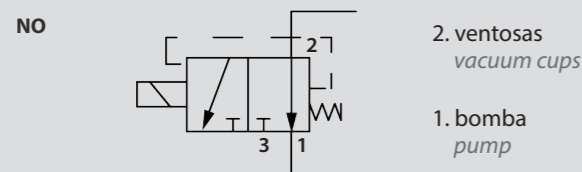
Electroválvula de vacío normalmente abierta <i>Vacuum solenoid valve normally open</i>
Electroválvula de vacío normalmente cerrada <i>Vacuum solenoid valve normally closed</i>

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

EVV77R124CNA
EVV77R124CNC

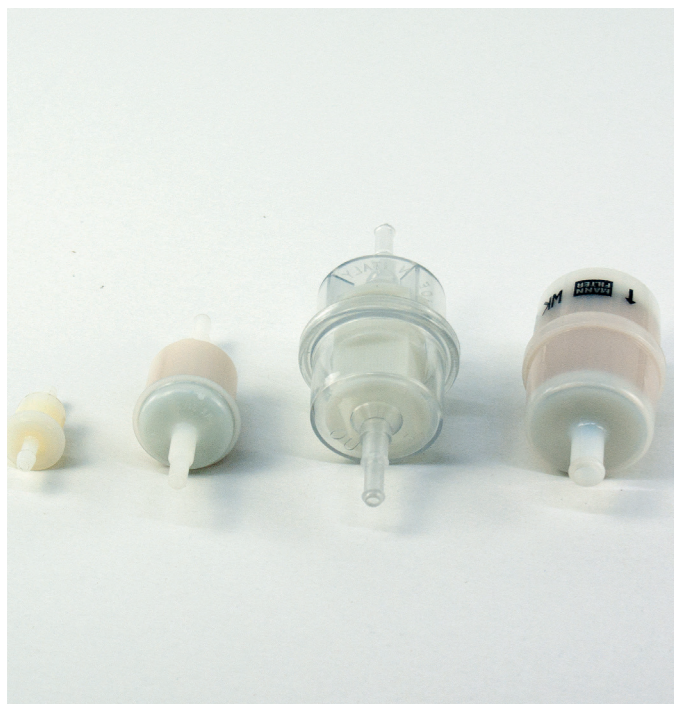
EVV77R11/224CNA
EVV77R11/224CNC

**ESQUEMA NEUMÁTICO · PNEUMATIC DIAGRAM**

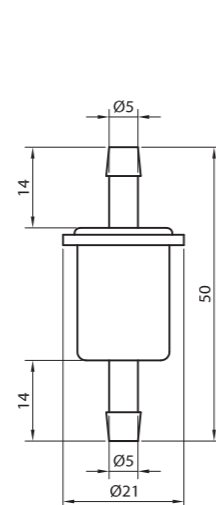


**FILTROS DE VACÍO**  
VACUUM FILTERS

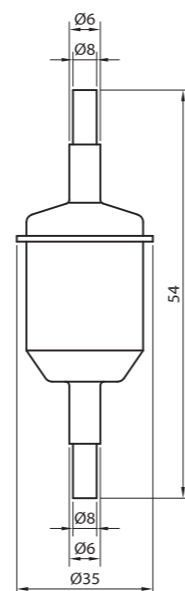
**LINEA**  
LINE



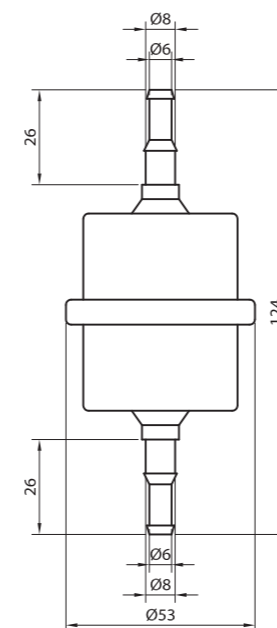
**Ø6**



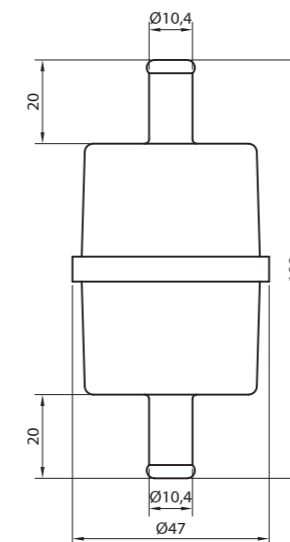
**Ø8**



**Ø10**



**Ø12**



**CARACTERÍSTICAS · CHARACTERISTICS**

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

T6x4	T8x6, T8x5.5
papel	papel
30	30
plástico	plástico
3	13

T10x8, T10x7, T8x5.5	T12x10
plástico	papel
30	30
plástico	plástico
35	34

**CÓMO PEDIR · HOW TO ORDER**

Filtro completo de vacío
Complete vacuum filter

FILLINT4P	FILLINT5.5P
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FILLINT7PL	FILLINT10P
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FILTROS DE VACÍO  
VACUUM FILTERS

# FNU



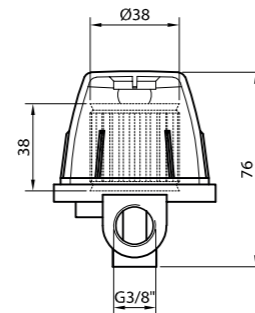
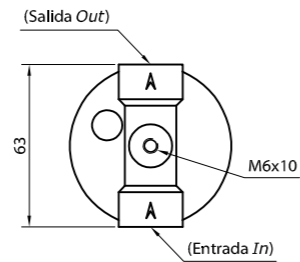
CARACTERÍSTICAS · CHARACTERISTICS

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	
Volumen interno Inner volume	[L]
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
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

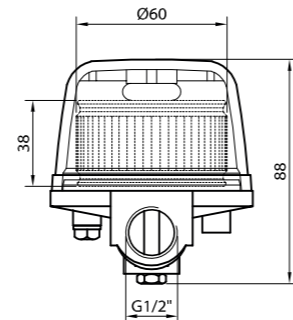
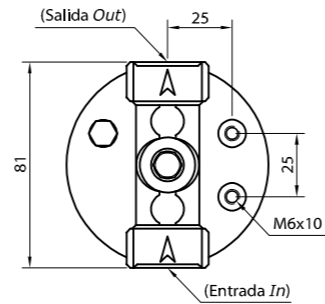
FILFNU3/8B
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FILFNU3/8BP
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FILKITFNU3/8
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FILKITFNU3/8P
---------------

## G1/2"



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

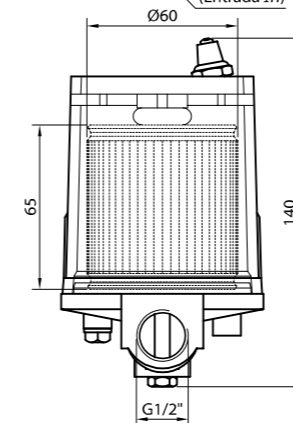
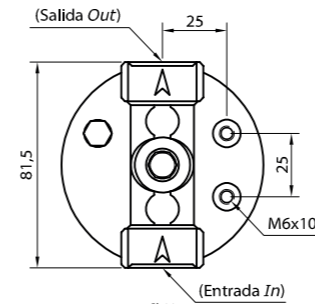
FILFNU1/2
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FILKITFNU1/2
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## G1/2" L



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

FILFNU1/2L100
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FILKITFNU1/2L100
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FILTROS DE VACÍO  
VACUUM FILTERS

# FVP



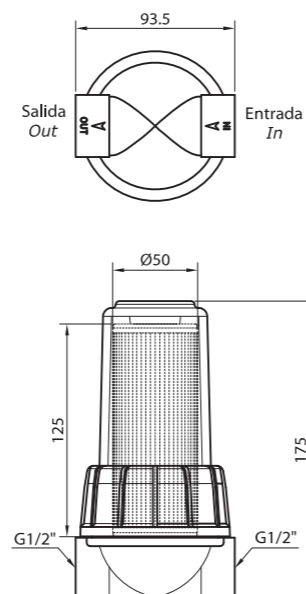
CARACTERÍSTICAS · CHARACTERISTICS

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

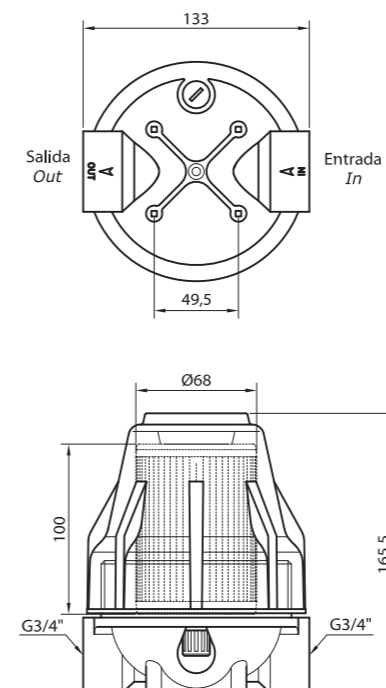
## G1/2"



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

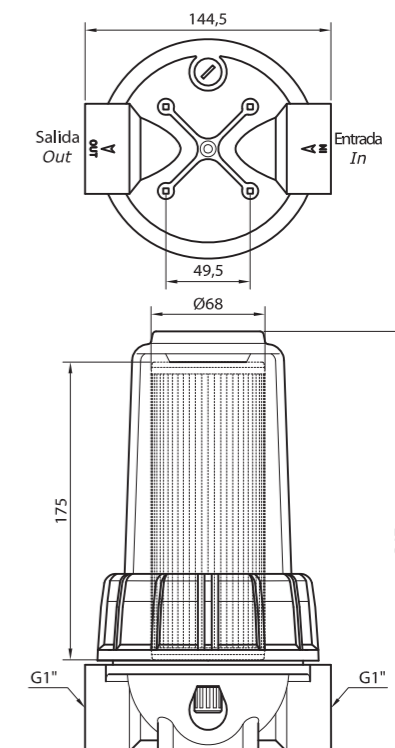
## G3/4"



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"

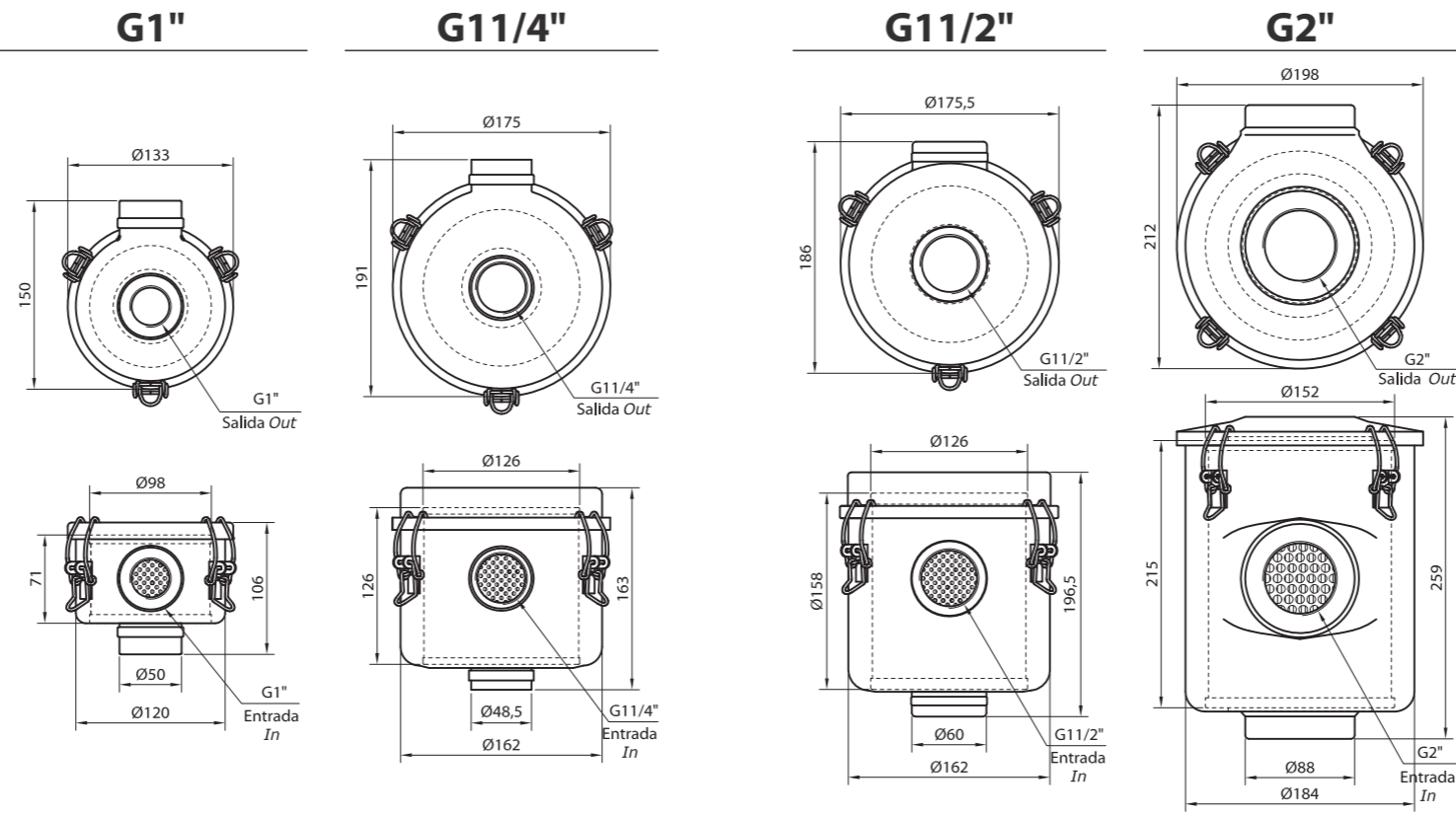


G1"
inox s. steel / papel paper / plástico plastic
50 inox s. steel / 25 papel paper / 50 plástico plastic
1.167 inox s. steel / 1.167 papel paper / 1.833 plástico plastic
-20 ... +50
PP, SAN, ETP, latón PP, SAN, ETP, brass
1,25
1.030 inox s. steel / 980 papel paper / 960 plástico plastic

FILFVP1
FILFVP1P
FILFVP1PL
FILKITFVP1
FILKITFVP1P
FILKITFVP1PL

FILTROS DE VACÍO  
VACUUM FILTERS

# FMV



**CARACTERÍSTICAS · CHARACTERISTICS**

Conexión <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>	
Volumen interno <i>Inner volume</i>	[L]
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"
Conexión	G1"	G11/4"	G11/2"	G2"
Grado de filtración	10	10	10	10
Máximo caudal de aspiración	1.500	2.200	2.800	5.000
Material filtrante	papel <i>paper</i>	papel <i>paper</i>	papel <i>paper</i>	papel <i>paper</i>
Temperatura de trabajo	-20 ... +50	-20 ... +50	-20 ... +50	-20 ... +50
Material del cuerpo	Fe, Nbr	Fe, Nbr	Fe, Nbr	Fe, Nbr
Volumen interno	0,70	2,30	3,40	5,70
Peso	1200	1800	2050	4634
Filtro completo de vacío	FILFMV1	FILFMV11/4	FILFMV11/2	FILFMV2
Recambio de cartucho	FILKITFMV1	FILKITFMV11/4	FILKITFMV11/2	FILKITFMV2

FILTROS DE VACÍO  
VACUUM FILTERS

FCL



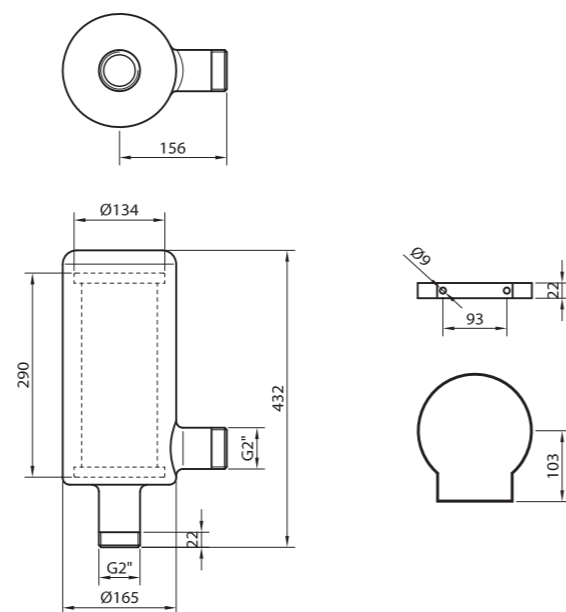
CARACTERÍSTICAS · CHARACTERISTICS

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

CÓMO PEDIR · HOW TO ORDER

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

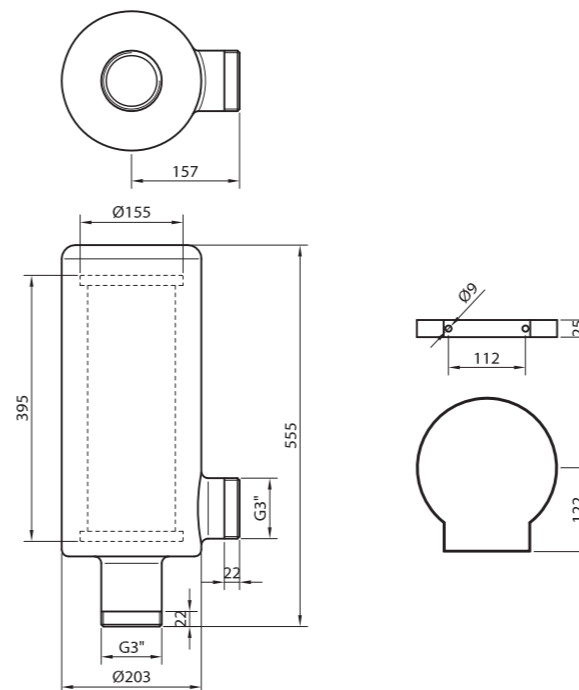
G2"



	G2"
	25
	240
	papel paper
	-20 ... +50
	acero s.steel
	3500

	FILFCL2
	FILFCL2ABR
	FILKITFCL2

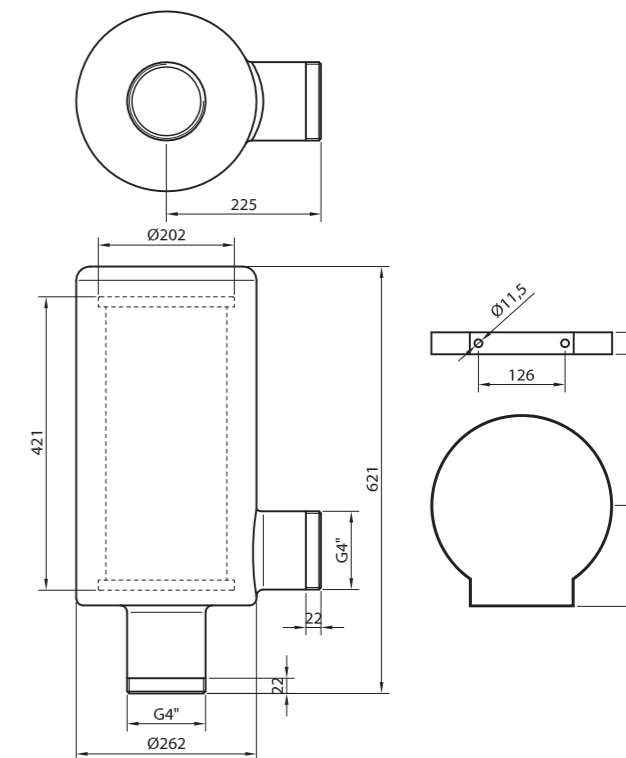
G3"



	G3"
	25
	440
	papel paper
	-20 ... +50
	acero s.steel
	1070

	FILFCL3
	FILFCL3ABR
	FILKITFCL3

G4"



	G4"
	25
	730
	papel paper
	-20 ... +50
	acero s.steel
	8900

	FILFCL4
	FILFCL4ABR
	FILKITFCL4



**ACCESORIOS DE VACÍO**  
VACUUM ACCESSORIES

**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>	[Kgf]
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  
*Vacuum cylinder*

**CÓMO FUNCIONA · HOW IT WORKS**

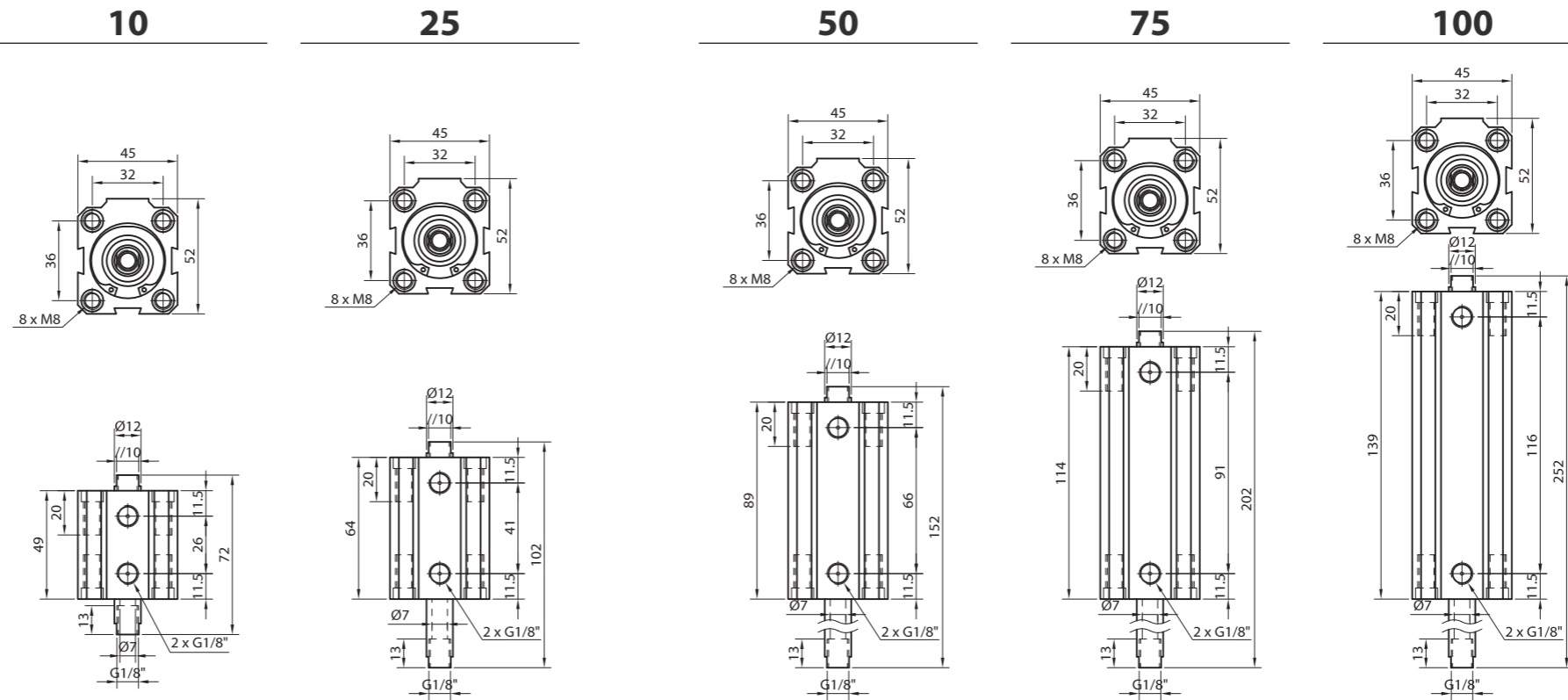
- Cilindros de ciclo rápido accionados por vacío, preparados para el montaje de una ventosa en su extremo.
- Al alimentar el cilindro con vacío, el vástago sale automáticamente hasta que la ventosa encuentra pieza. En este momento el vástago se retrae de forma automática hasta su posición inicial.
-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

	10	25	50	75	100
	10	25	50	75	100
Aire <i>Air</i>	Aire <i>Air</i>	Aire <i>Air</i>	Aire <i>Air</i>	Aire <i>Air</i>	Aire <i>Air</i>
-1	-1	-1	-1	-1	-1
0,750	0,750	0,750	0,750	0,750	0,750
-20 ... +80	-20 ... +80	-20 ... +80	-20 ... +80	-20 ... +80	-20 ... +80
Al; CrMo	Al; CrMo	Al; CrMo	Al; CrMo	Al; CrMo	Al; CrMo
330	370	463	555	650	
CILCRV3210	CILCRV3225	CILCRV3250	CILCRV3275	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 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
Fluido Fluid	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

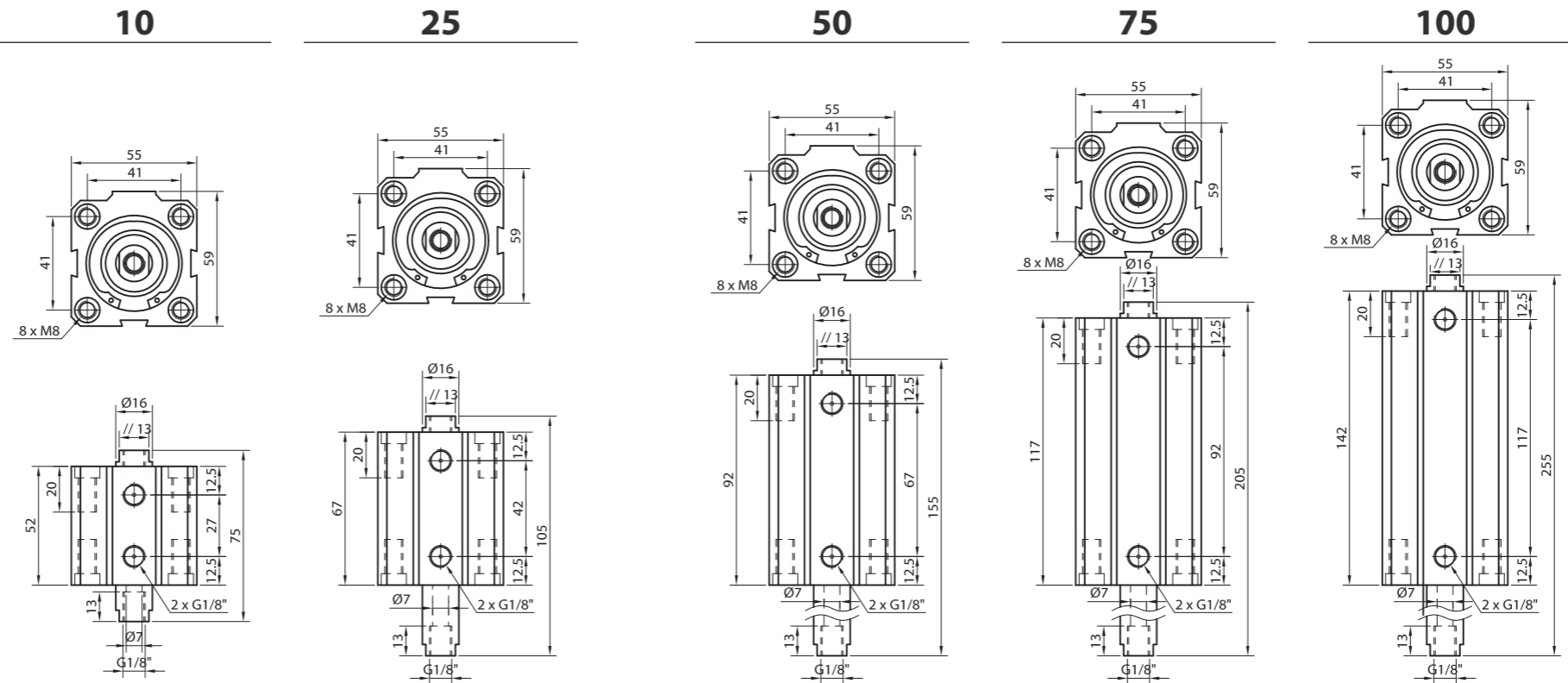
CÓMO PEDIR · HOW TO ORDER

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

	10	25	50	75	100
Código Code	CILCVP3210A	CILCVP3225A	CILCVP3250A	CILCVP3275A	CILCVP32100A

CILINDROS DE Vástago PERFORADO  
PERFORATED ROD CYLINDERS

**CVP**  
**Ø40**



**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]

	10	25	50	75	100
Fluido Fluid	Aire Air	Aire Air	Aire Air	Aire Air	Aire Air
Presión máxima Max pressure	10	10	10	10	10
Fuerza de empuje Thrust side force (6 bar)	664	664	664	664	664
Fuerza de retorno Traction side force (6 bar)	559	559	559	559	559
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	430	543	730	918	1105

**CÓMO PEDIR · HOW TO ORDER**

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

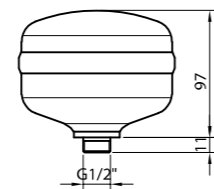
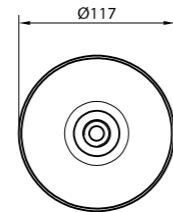
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**ACCESORIOS DE VACÍO**  
VACUUM ACCESSORIES

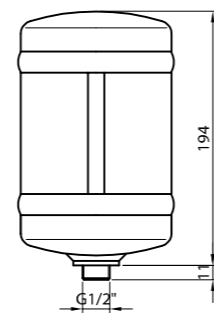
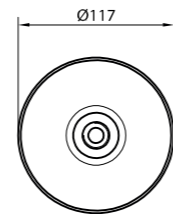
**CALDERINES DE VACÍO / PRESIÓN**  
VACUUM / PRESSURE RESERVE TANKS



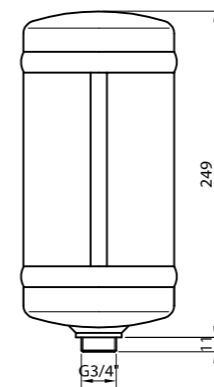
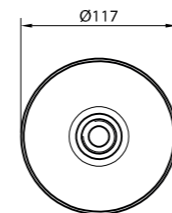
**0,5 L**



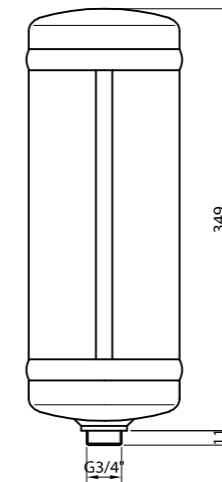
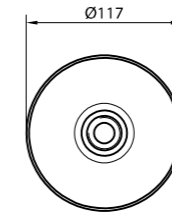
**1,5 L**



**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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**ACCESORIOS DE VACÍO**  
VACUUM ACCESSORIES

**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



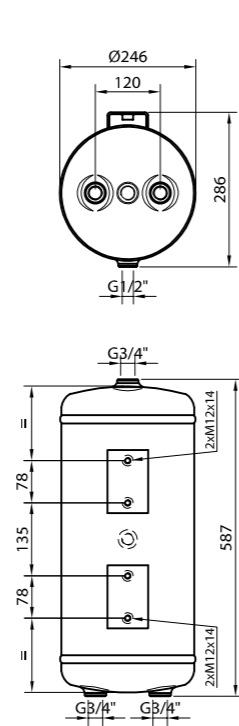
**CARACTERÍSTICAS · CHARACTERISTICS**

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]

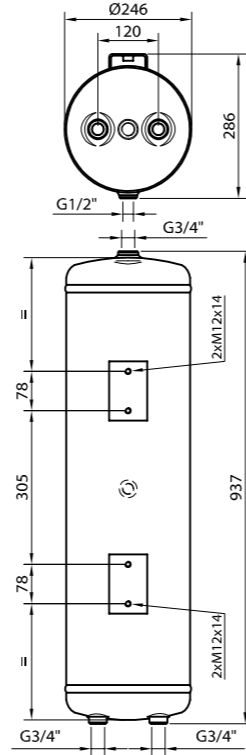
**CÓMO PEDIR · HOW TO ORDER**

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

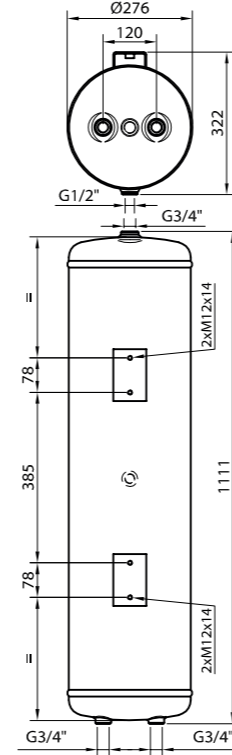
**25 L**



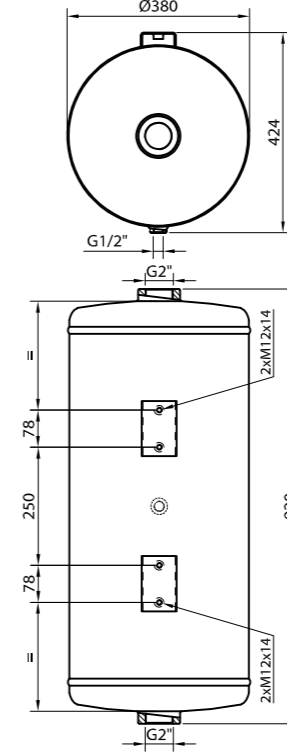
**40 L**



**60 L**



**100 L**

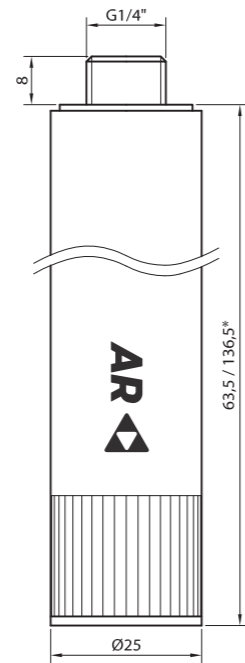


25	40	60	100
15,5	15,5	15,5	10
Al	Al	Al	Al
G1/2"; G3/4"	G1/2"; G3/4"	G1/2"; G3/4"	G1/2"; G2"
4600	7300	9300	11300
CALVAL25L	CALVAL40L	CALVAL60L	CALVAL100L

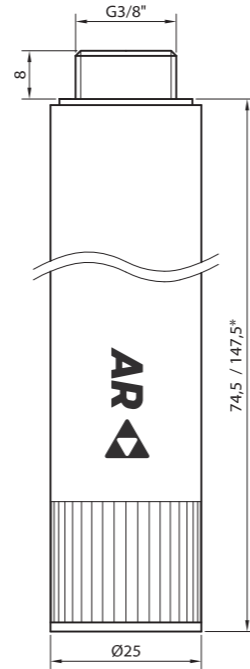
**SILENCIADORES**  
SILENCERS



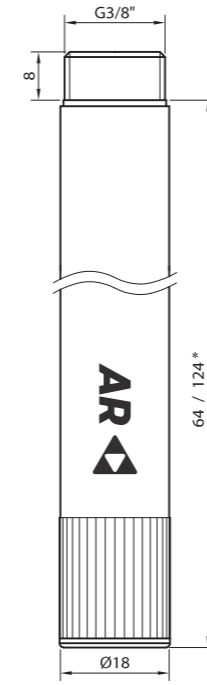
**G1/4"**



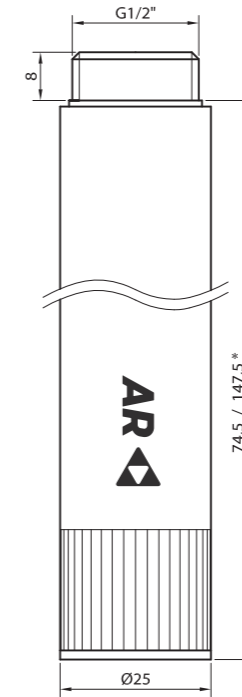
**G3/8"**



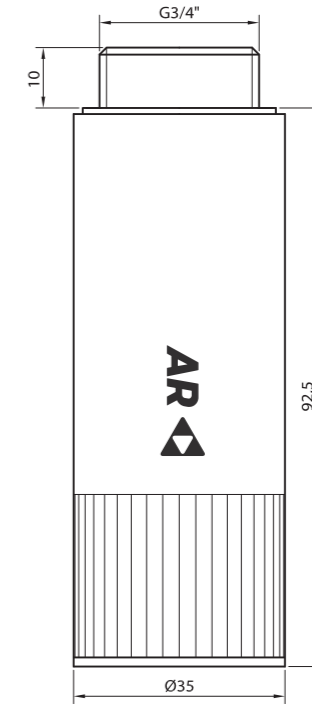
**G3/8" - Ø18**



**G1/2"**



**G3/4"**



**CARACTERÍSTICAS · CHARACTERISTICS**

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

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

**CÓMO PEDIR · HOW TO ORDER**

Silenciador para generador de vacío <i>Silencer for vacuum generator</i>
Silenciador extra-largo para generador de vacío <i>Extra-long silencer for vacuum generator</i>

SILRL1/4
SILRL1/4LG

SILRL3/8
SILRL3/8LG

SILRL3/8 -18
SILRL3/8 -18LG

SILRL1/2
SILRL1/2LG

SILRL3/4
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\* Extra-largo *Extra-long*

**SILENCIADORES**  
SILENCERS



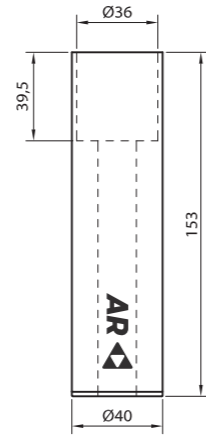
**CARACTERÍSTICAS · CHARACTERISTICS**

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

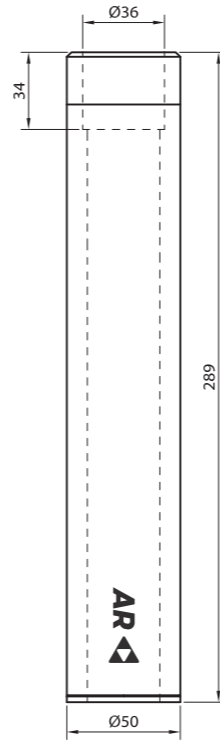
**CÓMO PEDIR · HOW TO ORDER**

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
20
PUR, PEAD, PVC <i>PUR, HDPE, PVC</i>
82

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

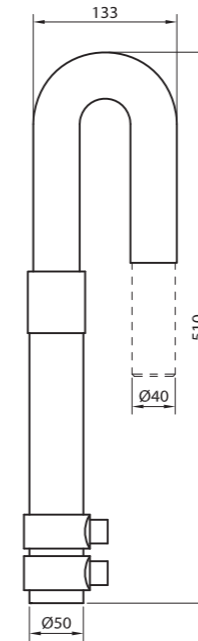
SILRL40
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SILRL50
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**Ø40 extra**

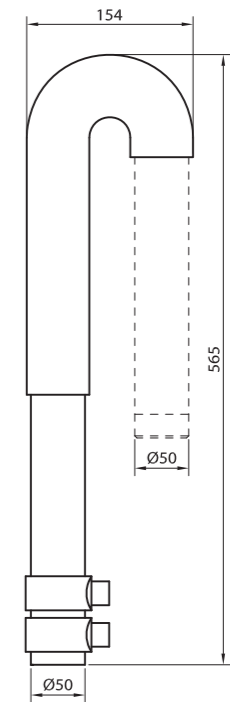


Ø40
20
PUR, PEAD, PVC. OTROS <i>PUR, HDPE, PVC, OTHERS</i>
480

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EVKITIN40

**Ø50 extra**



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

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EVKITIN50



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



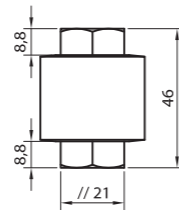
**CARACTERÍSTICAS · CHARACTERISTICS**

Conexión <i>Connection</i>	
Materiales <i>Materials</i>	
Peso <i>Weight</i>	[g]

**CÓMO PEDIR · HOW TO ORDER**

Válvula de retención de vacío  
*Vacuum lock valve*

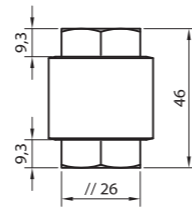
**G3/8"**



<b>G3/8"</b>
Latón <i>Brass</i> , inox <i>s.steel</i> , nylon, NBR
135

ECONYORK3/8

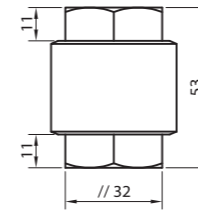
**G1/2"**



<b>G1/2"</b>
Latón <i>Brass</i> , inox <i>s.steel</i> , nylon, NBR
140

ECONYORK1/2

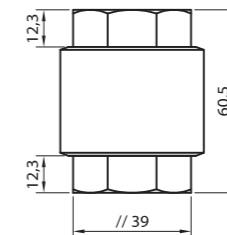
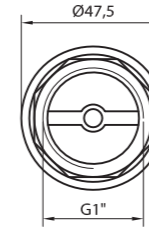
**G3/4"**



<b>G3/4"</b>
Latón <i>Brass</i> , inox <i>s.steel</i> , nylon, NBR
187

ECONYORK3/4

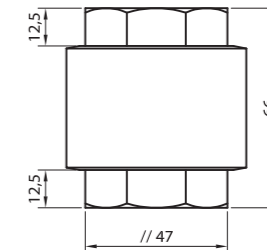
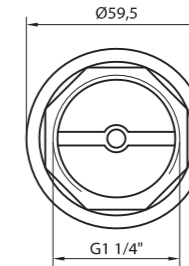
**G1"**



<b>G1"</b>
Latón <i>Brass</i> , inox <i>s.steel</i> , nylon, NBR
284

ECONYORK1

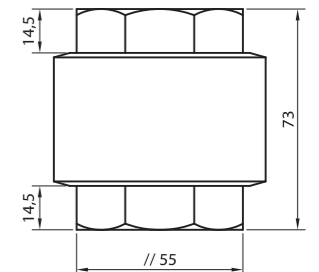
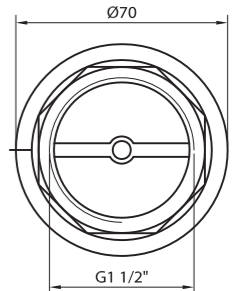
**G1 1/4"**



<b>G1 1/4"</b>
Latón <i>Brass</i> , inox <i>s.steel</i> , nylon, NBR
390

ECONYORK11/4

**G1 1/2"**

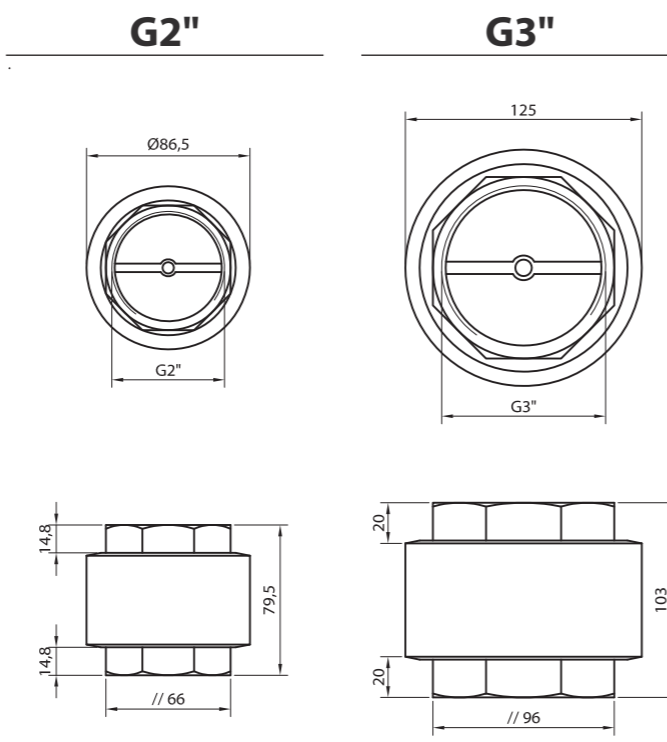


<b>G1 1/2"</b>
Latón <i>Brass</i> , inox <i>s.steel</i> , nylon, NBR
600

ECONYORK11/2

**ACCESORIOS DE VACÍO**  
VACUUM ACCESSORIES

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



**CARACTERÍSTICAS · CHARACTERISTICS**

Conexión <i>Connection</i>	
Materiales <i>Materials</i>	
Peso <i>Weight</i>	[g]

G2"	G3"
Latón <i>Brass</i> , inox <i>s.steel</i> , nylon, NBR	Latón <i>Brass</i> , inox <i>s.steel</i> , nylon, NBR
883	2110

**CÓMO PEDIR · HOW TO ORDER**

Válvula de retención de vacío <i>Vacuum lock valve</i>
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ECONYORK2	ECONYORK3
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**REGLETAS DE VACÍO**  
VACUUM DISTRIBUTORS

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



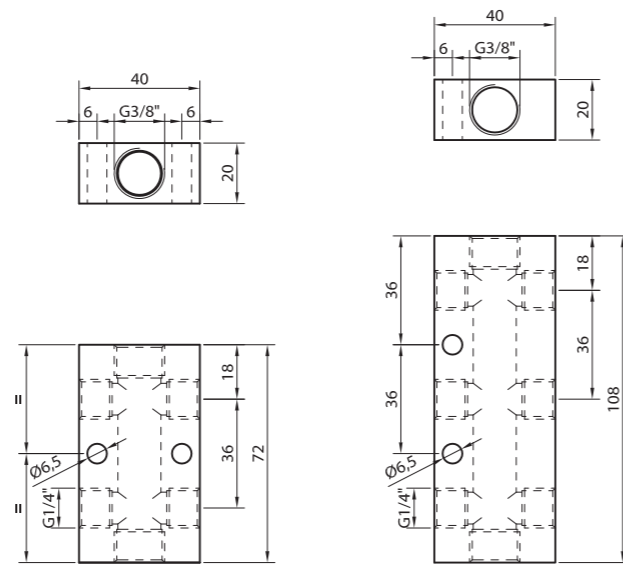
**CARACTERÍSTICAS · CHARACTERISTICS**

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

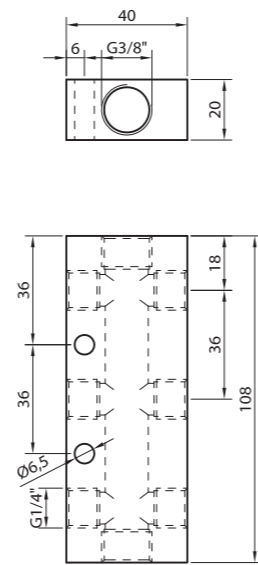
**CÓMO PEDIR · HOW TO ORDER**

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

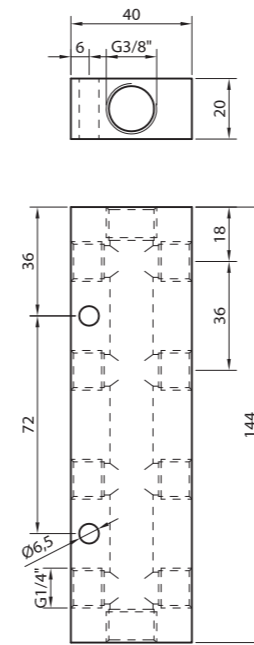
**2 + 4**



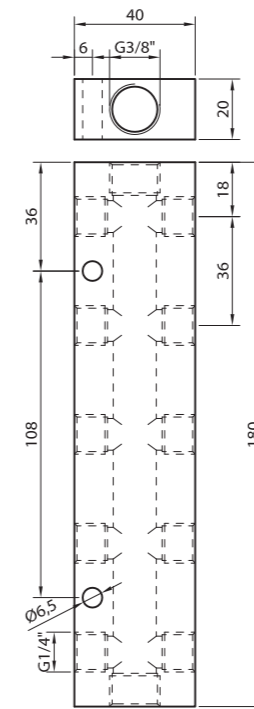
**2 + 6**



**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"**



**CARACTERÍSTICAS · CHARACTERISTICS**

Conexiones Connections G1/4"

Conexiones Connections G1/2"

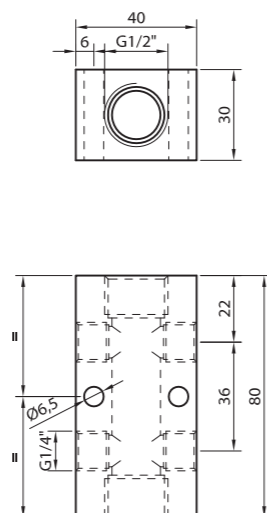
Materiales Materials

Peso Weight [g]

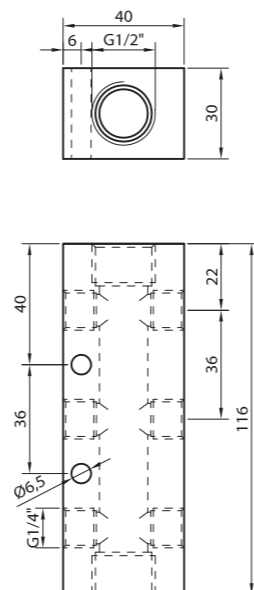
**CÓMO PEDIR · HOW TO ORDER**

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

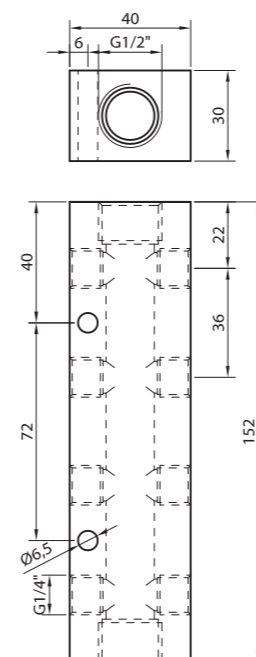
**2 + 4**



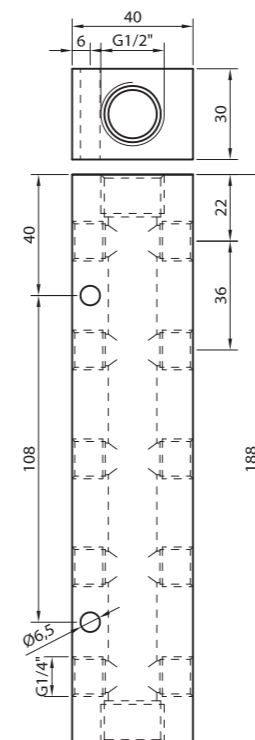
**2 + 6**



**2 + 8**



**2 + 10**



4

2

Al

189

ECONDSR1/204R1/4

6

2

Al

275

ECONDSR1/206R1/4

8

2

Al

370

ECONDSR1/208R1/4

10

2

Al

463

ECONDSR1/210R1/4

**MANGUERAS DE VACÍO**  
VACUUM HOSES

**ESTÁNDAR**  
STANDARD



**Ø15**

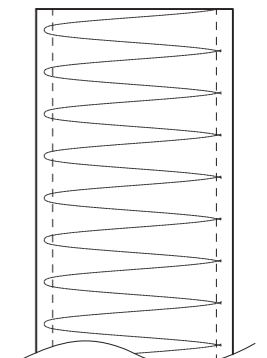
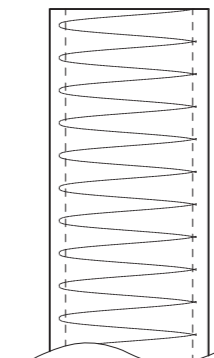
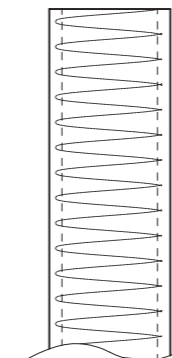
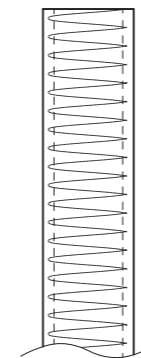
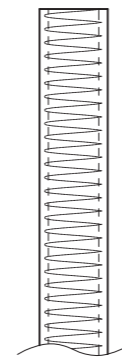
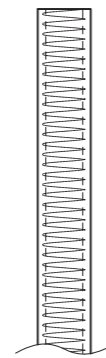
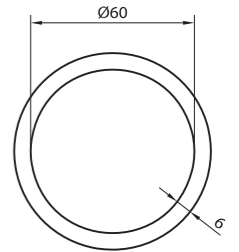
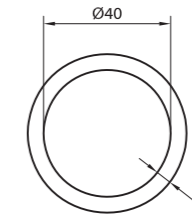
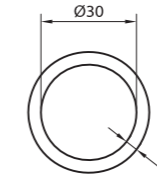
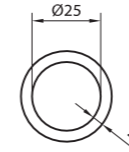
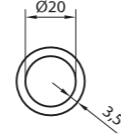
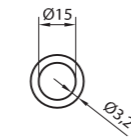
**Ø20**

**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**

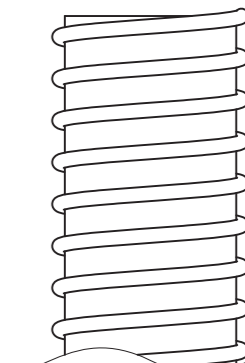
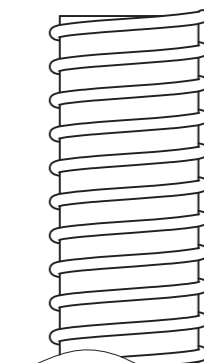
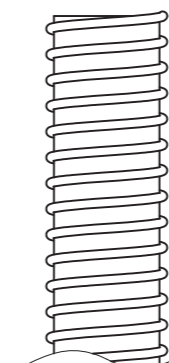
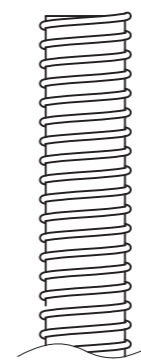
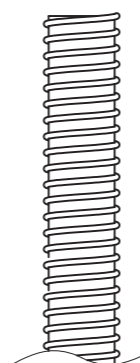
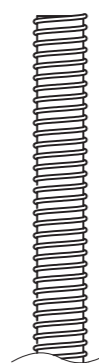
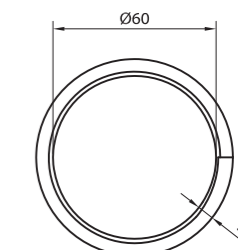
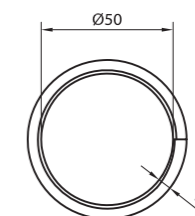
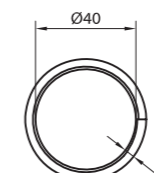
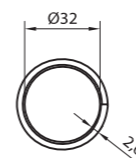
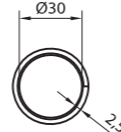
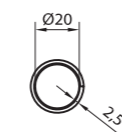
**Ø30**

**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
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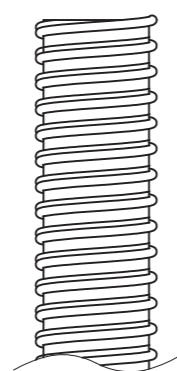
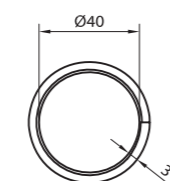
**ACCESORIOS DE VACÍO**  
VACUUM ACCESSORIES

**MANGUERAS DE VACÍO**  
VACUUM HOSES

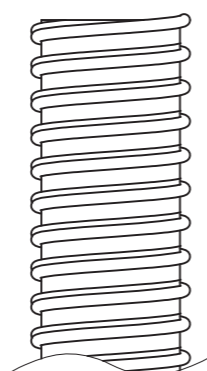
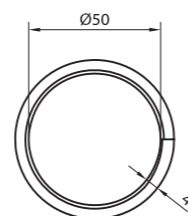
**PUR ANTIEST.**  
PUR ANTISTATIC



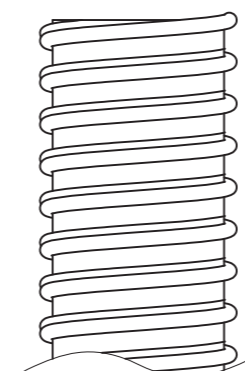
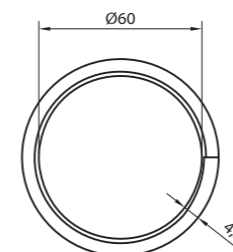
**Ø40**



**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	50	60
3	4	4,3
70	87	100
-300	-300	-300
-20 ... +80	-20 ... +80	-20 ... +80
PUR, PVC, Cu	PUR, PVC, Cu	PUR, PVC, Cu
400	500	600

**CÓMO PEDIR · HOW TO ORDER**

Manguera reforzada antiestática para vacío  
*Antistatic reinforced vacuum hose*

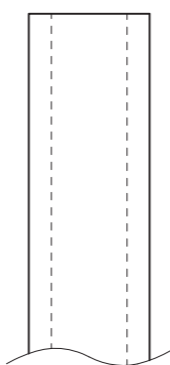
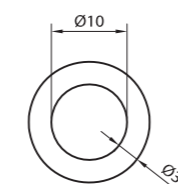
VARMANG40AST	VARMANG52AST	VARMANG60AST
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**ACCESORIOS DE VACÍO**  
VACUUM ACCESSORIES

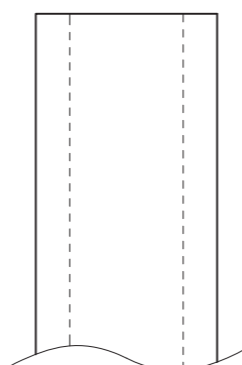
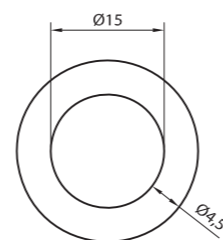
**MANGUERAS DE PRESIÓN**  
PRESSURE HOSES



**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]

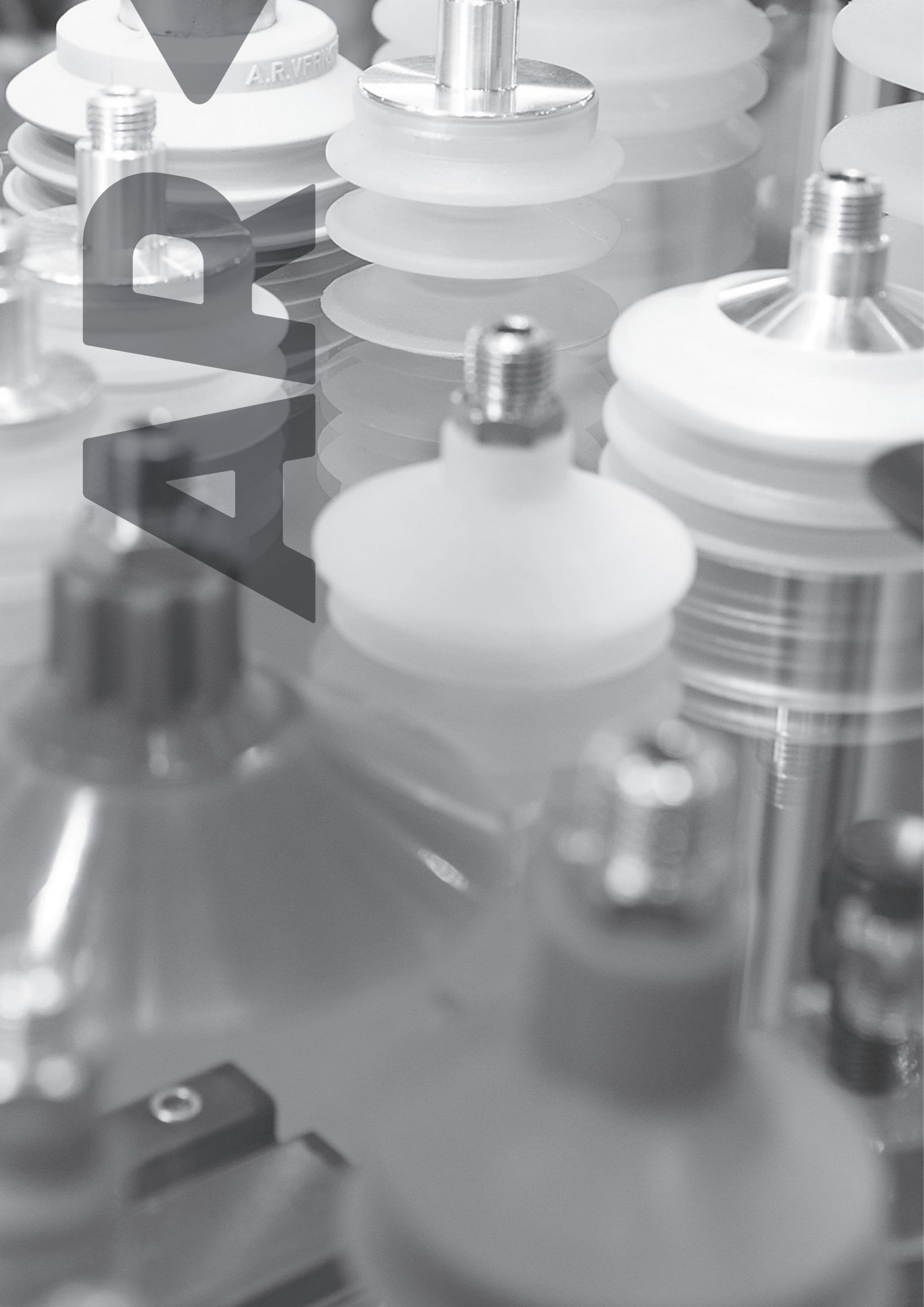
10	15
3	4,5
70	125
20	20
-15 ... +60	-15 ... +60
PVC, NBR, PET	PVC, NBR, PET
120	440

**CÓMO PEDIR · HOW TO ORDER**

Manguera de presión  
*Pressure hose*

VARMANG10PRES	VARMANG15PRES
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**RACORS Y RECAMBIOS DE VENTOSAS**  
*FITTINGS AND VACUUM CUPS SPARE PARTS*

**ARD**

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482 RACORS DE MONTAJE PARA VENTOSAS  
*FITTING PARTS FOR VACUUM CUPS*

486 RECAMBIOS DE GOMAS DE VENTOSAS  
*VACUUM CUPS RUBBER SPARES*

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**RACORS PARA VENTOSAS**  
FITTING PARTS FOR VACUUM CUPS

INFO

Otros racors de montaje especiales, consultar.  
Other special mounting fittings on request.



REF.	M5 macho male	G1/8" macho male	hembra female	G1/4" macho male	hembra female	G3/8" macho male	hembra female	G1/2" macho male	hembra female	c/VÁLVULA w/VALVE
V 31		RAC16R1/8M		RAC16R1/4M	RAC16R1/4H					
V 48		RAC7R1/8M	RAC7R1/8H	RAC7R1/4M	RAC7R1/4H	RAC7R3/8M				
V 52		RAC7R1/8M	RAC7R1/8H	RAC7R1/4M	RAC7R1/4H	RAC7R3/8M				
V 70				RAC11R1/4M						
V 78				RAC11R1/4M						
V 80				RAC9R1/4M						RACVAL5
VC 4	RAC1RM5M									
VC 6	RAC1RM5M									
VC 8	RAC2RM5M	RAC2R1/8M		RAC2R1/4M						
VC 13	RAC2RM5M	RAC2R1/8M		RAC2R1/4M						
VC 16	RAC13RM5M	RAC13R1/8M	RAC13R1/8H		RAC13R1/4H					
VC 20	RAC3RM5M	RAC3R1/8M		RAC3R1/4M						
VC 25	RAC3RM5M	RAC3R1/8M		RAC3R1/4M						
VC 28	RAC3RM5M	RAC3R1/8M		RAC3R1/4M						
VC 33	RAC3RM5M	RAC3R1/8M		RAC3R1/4M						
VC 35	RAC3RM5M	RAC3R1/8M		RAC3R1/4M						
VC 40				RAC6R1/4M	RAC6R1/4H					
VC 47				RAC6R1/4M	RAC6R1/4H					
VC 50		RAC7R1/8M	RAC7R1/8H	RAC7R1/4M	RAC7R1/4H	RAC7R3/8M				RACVAL2
VC 55				RAC7R1/4M						RACVAL3
VC 60		RAC7R1/8M	RAC7R1/8H	RAC7R1/4M	RAC7R1/4H	RAC7R3/8M				RACVAL3
VC 74						RAC8R3/8M				
VC 75				RAC9R1/4M						RACVAL4
VC 85				RAC10R1/4M						
VC 90				RAC31R1/4M						RACVAL13
VC 94				RAC9R1/4M						RACVAL5
VC 95				RAC9R1/4M						RACVAL5
VC 125				RAC30R1/4M		RAC30R3/8M	RAC30R3/8H			
VCR 42*										
VCR 45*										
VCR 45M14*										
VCR 62*										
VCR 82*										
VCR 100*										
VCS 25		RAC4R1/8M								
VCS 30		RAC5R1/8M								
VCS 37		RAC5R1/8M								
VF 8	RAC2RM5M	RAC2R1/8M		RAC2R1/4M						
VF 10	RAC2RM5M	RAC2R1/8M		RAC2R1/4M						
VF 12	RAC13RM5M	RAC13R1/8M	RAC13R1/8H		RAC13R1/4H					
VF 12/5	RAC13RM5M	RAC13R1/8M	RAC13R1/8H		RAC13R1/4H					
VF 16		RAC14R1/8M	RAC14R1/8H							
VF 16/1		RAC14R1/8M								
VF 20	RAC15RM5M	RAC15R1/8M	RAC15R1/8H	RAC15R1/4M						
VF 20/5										
VF 23		RAC16R1/8M		RAC16R1/4M	RAC16R1/4H					

\* Racor de montaje integrado, no recambiable Integrated fitting part, not replaceable

REF.	M5 macho male	G1/8" macho male	hembra female	G1/4" macho male	hembra female	G3/8" macho male	hembra female	G1/2" macho male	hembra female	c/VÁLVULA w/VALVE
VF 24		RAC16R1/8M		RAC16R1/4M	RAC16R1/4H					
VF 25	RAC15RM5M	RAC15R1/8M	RAC15R1/8H	RAC15R1/4M						
VF 25/3		RAC14R1/8M	RAC14R1/8H							
VF 29		RAC16R1/8M		RAC16R1/4M	RAC16R1/4H					
VF 30	RAC15RM5M	RAC15R1/8M	RAC15R1/8H	RAC15R1/4M						
VF 30/5					RAC17R1/4H	RAC17R3/8M				
VF 31				RAC18R1/4M	RAC18R1/4H					
VF 33	RAC3RM5M	RAC3R1/8M		RAC3R1/4M						
VF 38/5		RAC20R1/8M	RAC20R1/8H	RAC19R1/4M; RAC21R1/4M	RAC19R1/4H; RAC21R1/4H	RAC19R3/8M; RAC21R3/8M	RAC21R3/8H	RAC19R1/2M; RAC21R1/2	RAC21R1/2H	
VF 41		RAC7R1/8M	RAC7R1/8H	RAC7R1/4M	RAC7R1/4H	RAC7R3/8M				RACVAL3
VF 42		RAC7R1/8M	RAC7R1/8H	RAC7R1/4M	RAC7R1/4H	RAC7R3/8M				RACVAL6A
VF 42/5										
VF 43		RAC16R1/8M		RAC16R1/4M	RAC16R1/4H					RACVAL1A
VF 45		RAC20R1/8M	RAC20R1/8H	RAC19R1/4M; RAC21R1/4M	RAC19R1/4H; RAC21R1/4H	RAC19R3/8M; RAC21R3/8M	RAC21R3/8H	RAC19R1/2M; RAC21R1/2	RAC21R1/2H	
VF 45/5		RAC20R1/8M	RAC20R1/8H	RAC19R1/4M; RAC21R1/4M	RAC19R1/4H; RAC21R1/4H	RAC19R3/8M; RAC21R3/8M	RAC21R3/8H	RAC19R1/2M; RAC21R1/2	RAC21R1/2H	
VF 51/3		RAC7R1/8M	RAC7R1/8H	RAC7R1/4M	RAC7R1/4H	RAC7R3/8M				
VF 52		RAC7R1/8M	RAC7R1/8H	RAC7R1/4M	RAC7R1/4H	RAC7R3/8M				RACVAL18
VF 53		RAC7R1/8M	RAC7R1/8H	RAC7R1/4M	RAC7R1/4H	RAC7R3/8M				RACVAL14
VF 55			RAC23R1/8H	RAC23R1/4M	RAC23R1/4H	RAC23R3/8M	RAC23R3/8H	RAC23R1/2M		RACVAL9
VF 55/1			RAC23R1/8H	RAC23R1/4M	RAC23R1/4H	RAC23R3/8M	RAC23R3/8H	RAC23R1/2M		
VF 56		RAC7R1/8M	RAC7R1/8H	RAC7R1/4M	RAC7R1/4H	RAC7R3/8M				RACVAL6A
VF 57				RAC25R1/4M			RAC25R3/8H			RACVAL8
VF 60			RAC23R1/8H	RAC23R1/4M	RAC23R1/4H	RAC23R3/8M	RAC23R3/8H	RAC23R1/2M		
VF 60/5		RAC20R1/8M	RAC20R1/8H	RAC19R1/4M; RAC21R1/4M	RAC19R1/4H; RAC21R1/4H	RAC19R3/8M; RAC21R3/8M	RAC21R3/8H	RAC19R1/2M; RAC21R1/2	RAC21R1/2H	
VF T60/5										
VF 61		RAC7R1/8M	RAC7R1/8H	RAC7R1/4M	RAC7R1/4H	RAC7R3/8M				RACVAL3
VF 62		RAC7R1/8M	RAC7R1/8H	RAC7R1/4M	RAC7R1/4H	RAC7R3/8M				RACVAL17
VF 63			RAC23R1/8H	RAC23R1/4M	RAC23R1/4H	RAC23R3/8M	RAC23R3/8H	RAC23R1/2M		RACVAL9
VF 71		RAC7R1/8M	RAC7R1/8H	RAC7R1/4M	RAC7R1/4H	RAC7R3/8M				RACVAL14
VF 72		RAC7R1/8M	RAC7R1/8H	RAC7R1/4M	RAC7R1/4H	RAC7R3/8M				RACVAL17
VF 73				RAC26R1/4M						RACVAL11
VF 75/5		RAC20R1/8M	RAC20R1/8H	RAC19R1/4M; RAC21R1/4M	RAC19R1/4H; RAC21R1/4H	RAC19R3/8M; RAC21R3/8M	RAC21R3/8H	RAC19R1/2M; RAC21R1/2	RAC21R1/2H	
VF 85				RAC27R1/4M						
VF 90						RAC28R3/8M				
VF 95				RAC29R1/4M						
VFDLG 25					RAC36R1/4H					
VFDLG 35					RAC36R1/4H					
VFDLG 40*										
VFDLG 60				RAC25R1/4M			RAC25R3/8H			
VFDLG 85				RAC25R1/4M			RAC25R3/8H			RACVAL7
VFDLG 114				RAC30R1/4M		RAC30R3/8M	RAC30R3/8H			RACVAL12A
VFI 55				RAC24R1/4M						
VFOR 20										

\* Racor de montaje integrado, no recambiable Integrated fitting part, not replaceable

RACORS Y RECAMBIOS  
FITTINGS AND SPARES

RACORS Y RECAMBIOS  
FITTINGS AND SPARES

**RACORS PARA VENTOSAS**  
FITTING PARTS FOR VACUUM CUPS

INFO

Otros racors de montaje especiales, consultar.  
Other special mounting fittings on request.



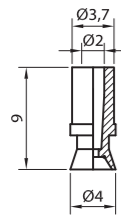
REF.	M5		G1/8"		G1/4"		G3/8"		G1/2"		c/VÁLVULA w/VALVE
	macho male		macho male	hembra female	macho male	hembra female	macho male	hembra female	macho male	hembra female	
VFOR 38			RAC20R1/8M	RAC20R1/8H	RAC19R1/4M; RAC21R1/4M	RAC19R1/4H; RAC21R1/4H	RAC19R3/8M; RAC21R3/8M	RAC21R3/8H	RAC19R1/2M; RAC21R1/2	RAC21R1/2H	
VFOR 49					RAC22R1/4M						
VFP 18											
VFP 20			RAC39R1/8M								
VFR 85*											
VFRN 85*											
VFR 100*											
VFS 31/3			RAC16R1/8M6,5								
VFS 51/3			RAC7R1/8M	RAC7R1/8H	RAC7R1/4M	RAC7R1/4H	RAC7R3/8M				
VFSC 30					RAC17R1/4MLG20						
VFSC 45							RAC20R3/8MLG45				
VFSC 55							RAC23R3/8MLG41				
VG 25x17			RAC14R1/8M	RAC14R1/8H							
VG 40x20	RAC3RM5M		RAC3R1/8M		RAC3R1/4M						
VG 66x28					RAC6R1/4M	RAC6R1/4H					
VG 80x44					RAC25R1/4M		RAC25R3/8H				
VG 100x53					RAC25R1/4M		RAC25R3/8H				
VG 65x20*											
VG 80x25*											
VG 90x35*											
VG 80x40					RAC25R1/4M		RAC25R3/8H				
VG 90x45						RAC34R1/4H					
VG 110x55					RAC25R1/4M		RAC25R3/8H				
VG 140x70					RAC25R1/4M		RAC25R3/8H				
VGFD 60x30*					...R1/4M	...R1/4H	...R3/8H				
VMDF2			RAC37R1/8M		RAC37R1/4M		RAC37R3/8M		RAC37R1/2M		
VMDF2/3			RAC7R1/8M	RAC7R1/8H	RAC7R1/4M	RAC7R1/4H	RAC7R3/8M				
VMDF3					RAC38R1/4M		RAC38R3/8M		RAC38R1/2M		
VMDG 130x104*											
VMDG 220x154*											
VO 26	RAC15RM5M		RAC15R1/8M	RAC15R1/8H	RAC15R1/4M						
VO 33	RAC3RM5M		RAC3R1/8M		RAC3R1/4M						
VS 20	RAC91RM5M		RAC90R1/8M								
VS 23											
VS 24,5			RAC90R1/8M								
VS 29											
VS 30											
VS 35											
VS 40											
VS 49											
VS 50											
VS 140											
VSA 31M10*											
VSA 45*					...R1/4		...R3/8				
VSA 45M14*											
VSA 46M10*											
VSA 62*											

REF.	M5		G1/8"		G1/4"		G3/8"		G1/2"		c/VÁLVULA w/VALVE
	macho male		macho male	hembra female	macho male	hembra female	macho male	hembra female	macho male	hembra female	
VSA 63M10*											
VSA 80*											
VSA 85M10*											
VSA 115*											
VSN 24,5			RAC90R1/8M								
VSP 40			RAC7R1/8M	RAC7R1/8H	RAC7R1/4M	RAC7R1/4H	RAC7R3/8M				
VSP 60			RAC7R1/8M	RAC7R1/8H	RAC7R1/4M	RAC7R1/4H	RAC7R3/8M				
VSP 80			RAC7R1/8M	RAC7R1/8H	RAC7R1/4M	RAC7R1/4H	RAC7R3/8M				
VSP 100			RAC7R1/8M	RAC7R1/8H	RAC7R1/4M	RAC7R1/4H	RAC7R3/8M				

\* Racor de montaje integrado, no recambiable Integrated fitting part, not replaceable

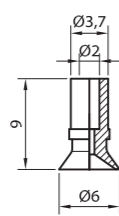
**COPA CONCAVE | VC**

Ø 4



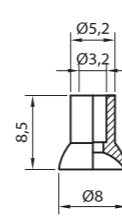
VC4 NIT/SB/CN

Ø 6



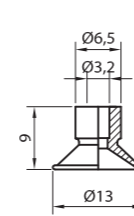
VC6 NIT/SB/CN

Ø 8



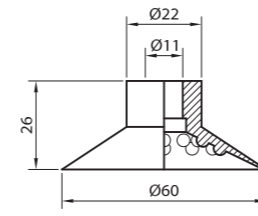
VC8 NIT/SB/CN

Ø 13



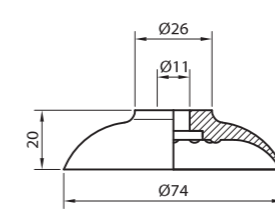
VC13 NIT/SB/CN

Ø 60



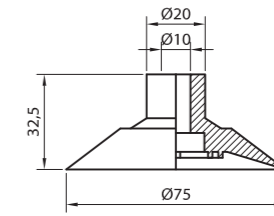
VC60 NIT/SB/CN

Ø 74



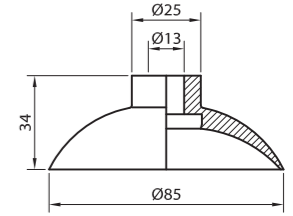
VC74 NIT/SB/CN

Ø 75



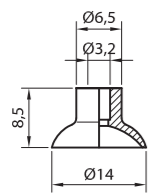
VC75 NIT/SB/CN

Ø 85



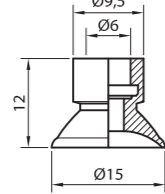
VC85 NIT/SB/CN

Ø 13 E1



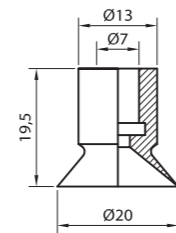
VC13E1 NIT/SB/CN

Ø 16



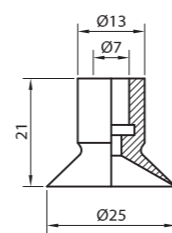
VC16 NIT/SB/CN

Ø 20



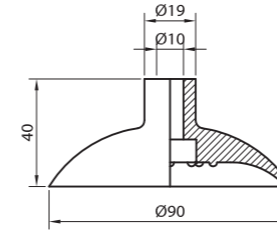
VC20 NIT/SB/CN

Ø 25



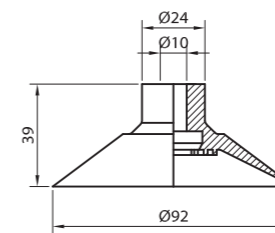
VC25 NIT/SB/CN

Ø 90



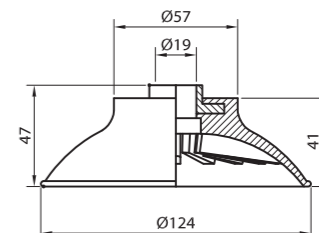
VC90 NIT/SB/CN

Ø 95



VC95 NIT/SB/CN

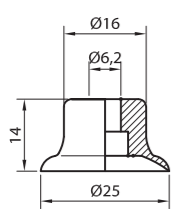
Ø 125



VC125 NIT/SB/CN

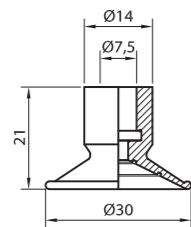
**TRIPLE LABIO TRIPLE LIP | VPD**

Ø 25 S



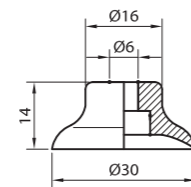
VCS25 NIT/SB/CN

Ø 28



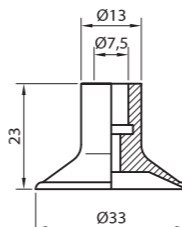
VC28 NIT/SB/CN

Ø 30 S



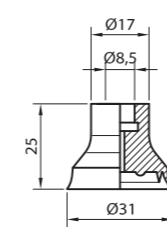
VCS30 NIT/SB/CN

Ø 33



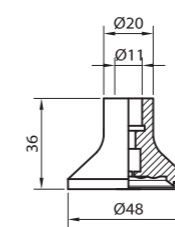
VC33 NIT/SB/CN

Ø 31



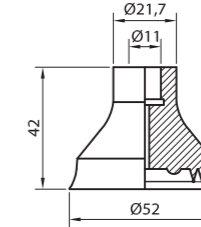
V31 CN/SB/EPDM

Ø 48



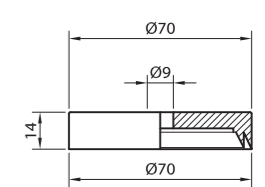
V48 CN/SB/EPDM

Ø 52



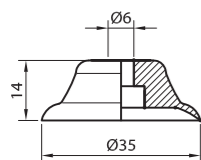
V52 CN/SB/EPDM

Ø 70



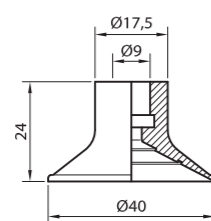
V70 CN/SB/EPDM

Ø 37 S



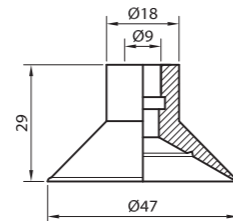
VCS37 NIT/SB/CN

Ø 40



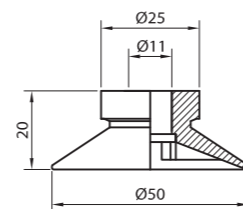
VC40 NIT/SB/CN

Ø 47



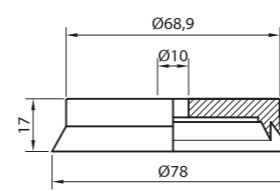
VC47 NIT/SB/CN

Ø 50



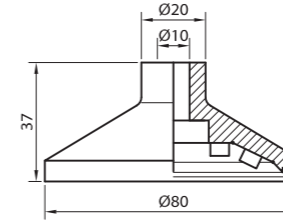
VC50 NIT/SB/CN

Ø 78



V78 CN/SB/EPDM

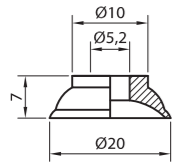
Ø 80



V80 CN/SB/EPDM

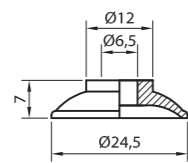
**COPA CONCAVE | VS**

ø 20



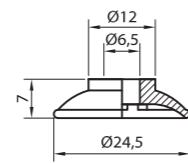
VS20 NIT/SB/CN

ø 24,5



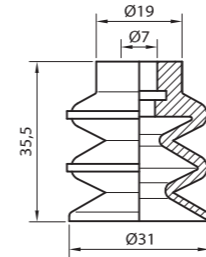
VS24.5 NIT/SB/CN

ø 24,5 N



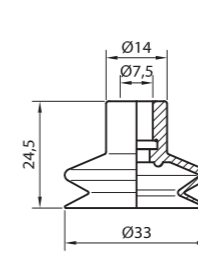
VSN24.5 NIT/SB/CN

ø 31



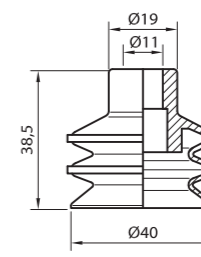
VF31 NIT/SB/CN

ø 33



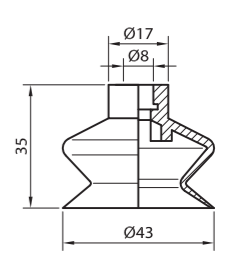
VF33 NIT/SB/CN

ø 42



VF42 NIT/SB/CN

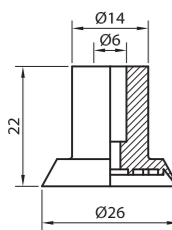
ø 43



VF43 NIT/SB/CN

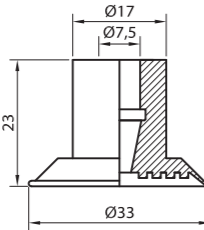
**PLANAS FLAT / POLIURETANO POLIURETHANE | VO**

ø 26



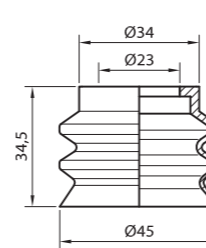
VO26 NIT/SB/CN/PUR

ø 33



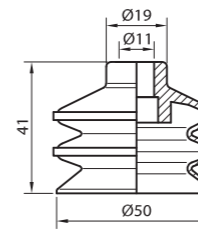
VO33 NIT/SB/CN/PUR

ø 45



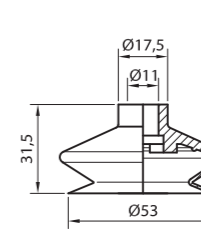
VF45 NIT/SB/CN

ø 52



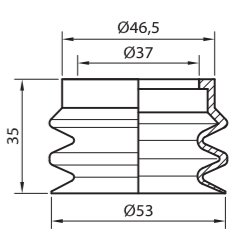
VF52 NIT/SB/CN

ø 53



VF53 NIT/SB/CN

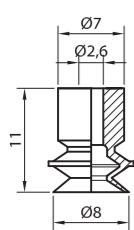
ø 55



VF55 NIT/SB/CN

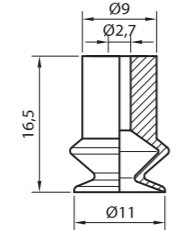
**FUELLE BELLOWS | VF / DETECTABLE**

ø 8



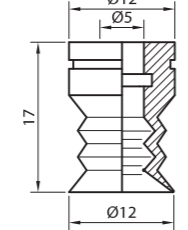
VF8 NIT/SB/CN

ø 10



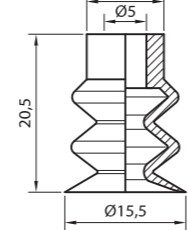
VF10 NIT/SB/CN

ø 12



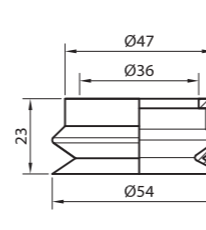
VF12 NIT/SB/CN

ø 16



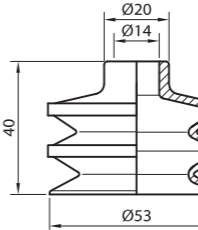
VF16 NIT/SB/CN

ø 55/1



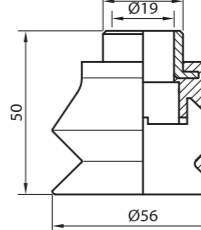
VF55/1 NIT/SB/CN

ø 55



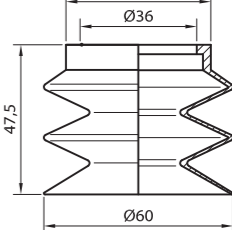
VF55 NIT/SB/CN

ø 57



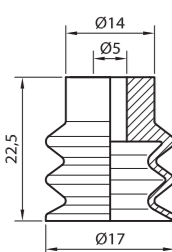
VF57 NIT/SB/CN

ø 60



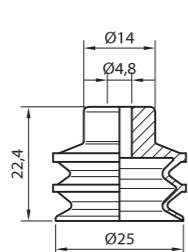
VF60 NIT/SB/CN

ø 20



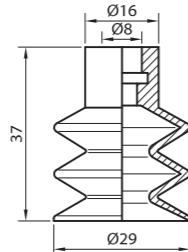
VF20 NIT/SB/CN/SAD\*  
\*DETECTABLE

ø 25



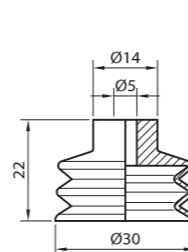
VF25 NIT/SB/CN

ø 29



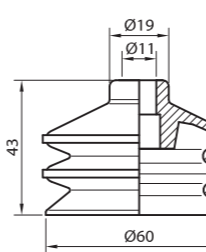
VF29 NIT/SB/CN

ø 30



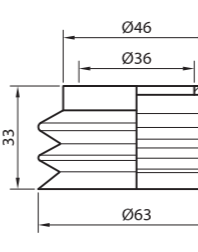
VF30 NIT/SB/CN/SAD\*  
\*DETECTABLE

ø 62



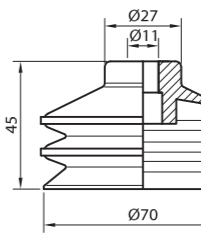
VF62 NIT/SB/CN

ø 63



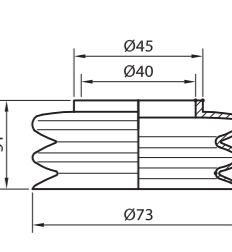
VF63 NIT/SB/CN

ø 72

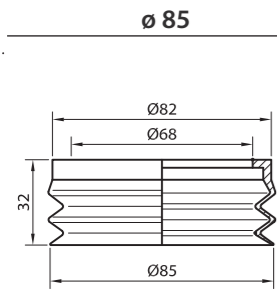


VF72 NIT/SB/CN

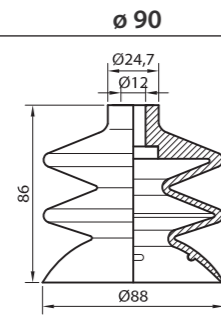
ø 73



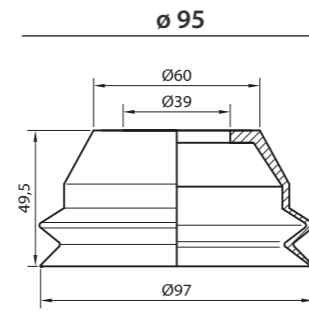
VF73 NIT/SB/CN



VF85 NIT/SB/CN

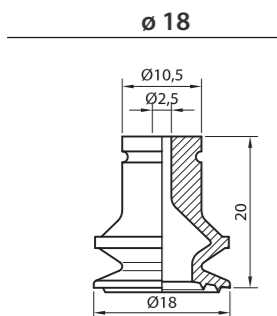


VF90 NIT/SB/CN

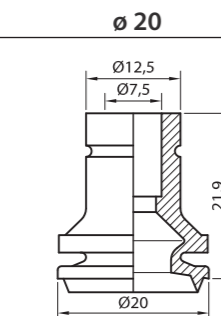


VF95 NIT/SB/CN

**FUELLE BELLOWS | VFP**

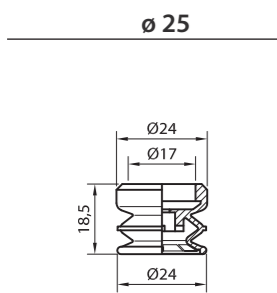


VFP18 SB/CN

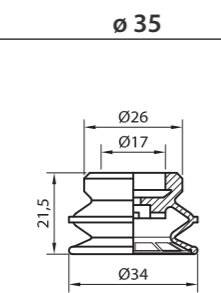


VFP20 SB/CN

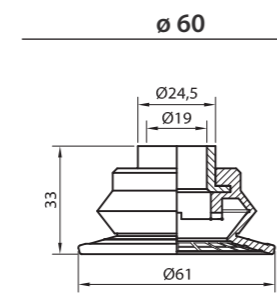
**FUELLE BELLOWS | VFDL**



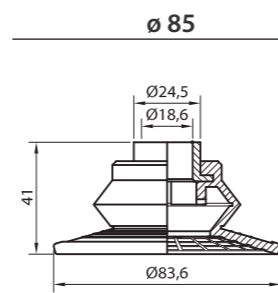
VFDLG25 NIT



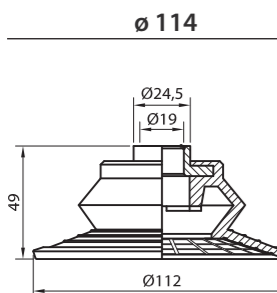
VFDLG35 NIT



VFDLG60 NIT

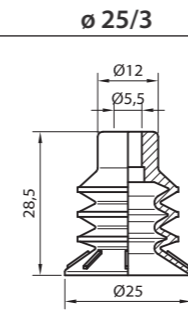


VFDLG85 NIT

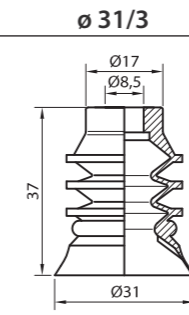


VFDLG114 NIT

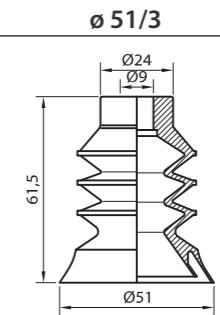
**FUELLE BELLOWS | VF/3**



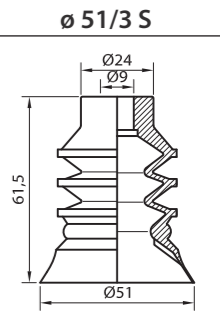
VF25/3 NIT/SB/CN



VF31/3 SH30CN

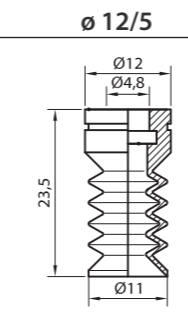


VF51/3 NIT/SB/CN

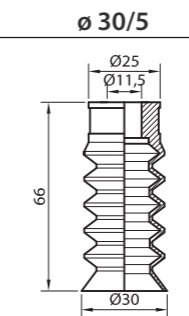


VF51/3 S

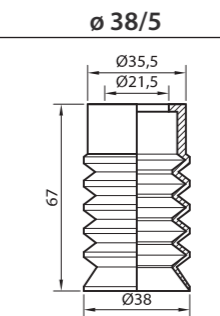
**FUELLE BELLOWS | VF/5**



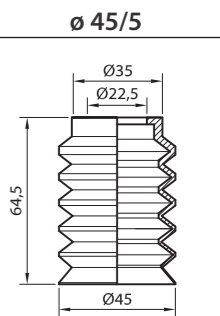
VF12/5 NIT/SB/CN



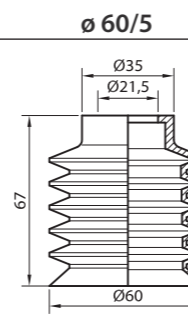
VF30/5 NIT/SB/CN



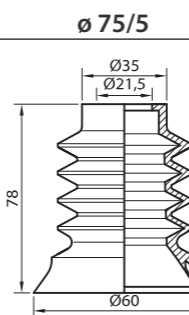
VF38/5 NIT/SB/CN



VF45/5 NIT/SB/CN

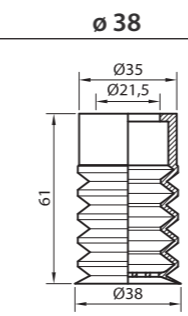


VF60/5 NIT/SB/CN

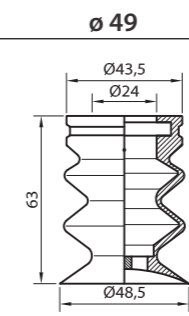


VF75/5 NIT/SB/CN

**FUELLE BELLOWS | VFOR**

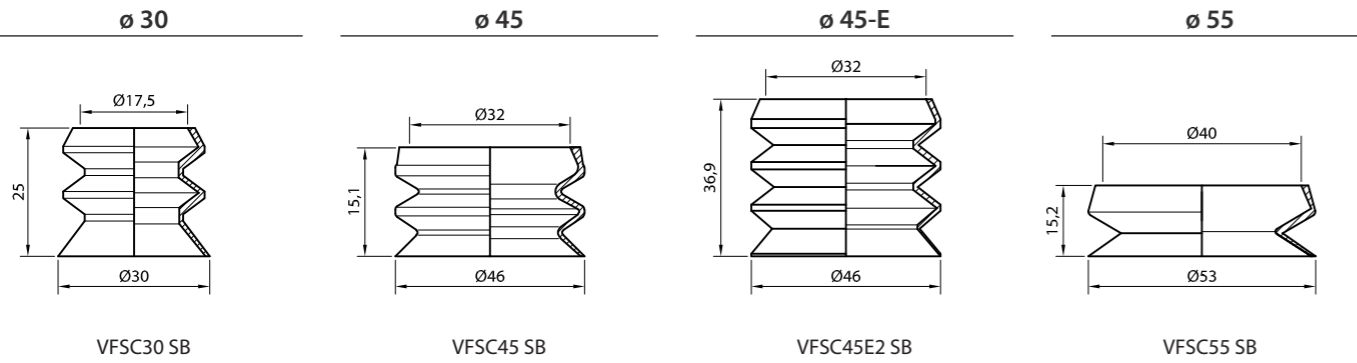


VFOR38 SB

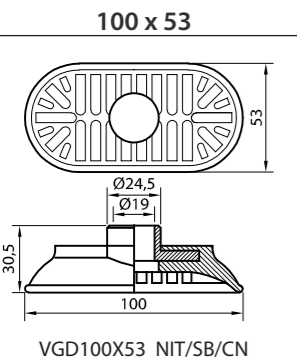
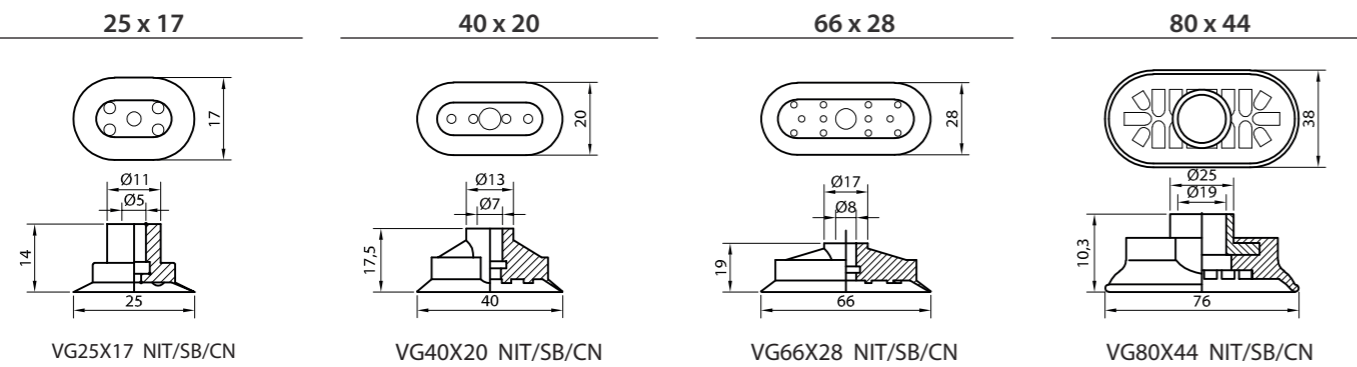


VFOR49 SB

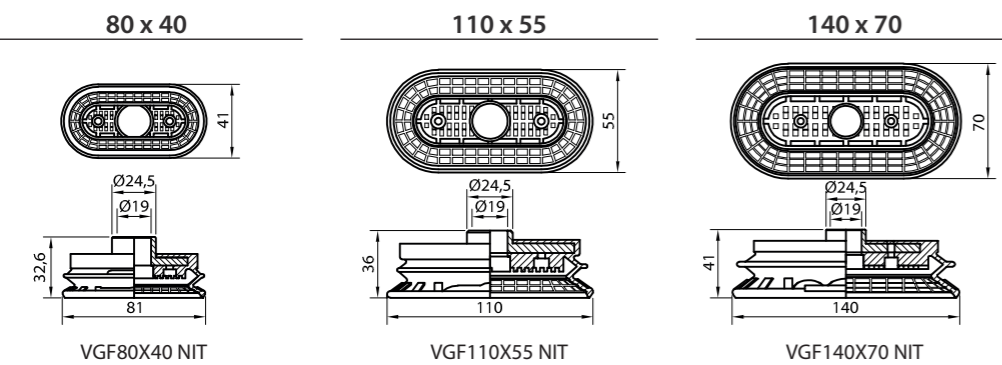
**FUELLE BELLOWS | VFSC**



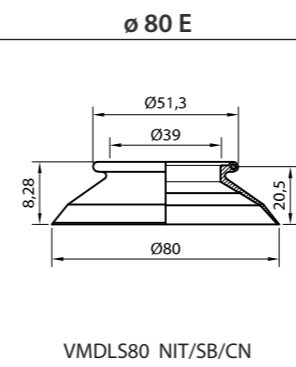
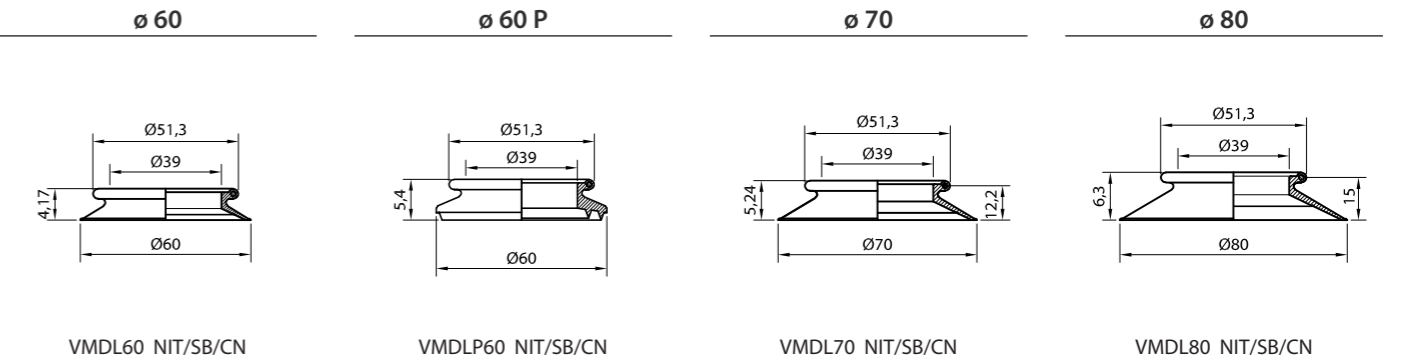
**RECTANGULARES RECTANGULAR | VG**



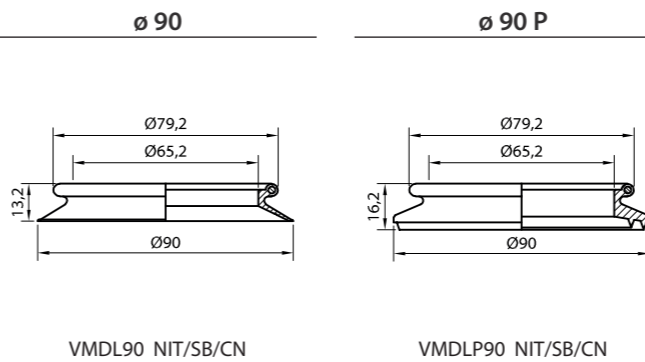
**RECTANGULARES RECTANGULAR | VGF**



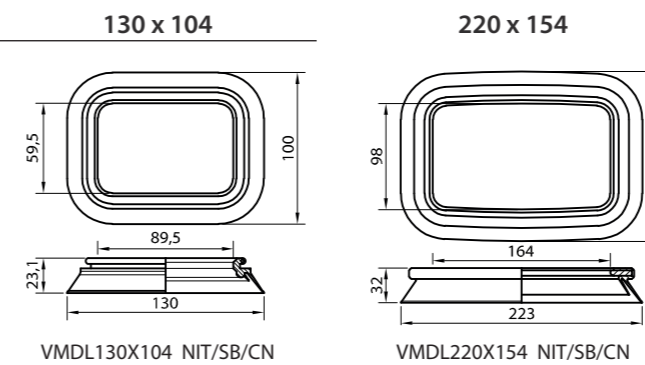
**MODULARES MODULAR | VMD F2 / F2-3**



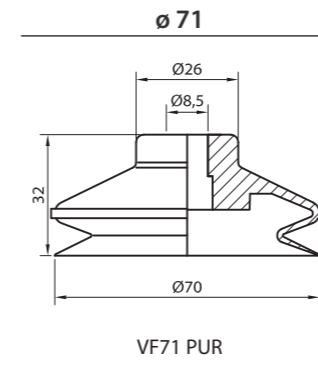
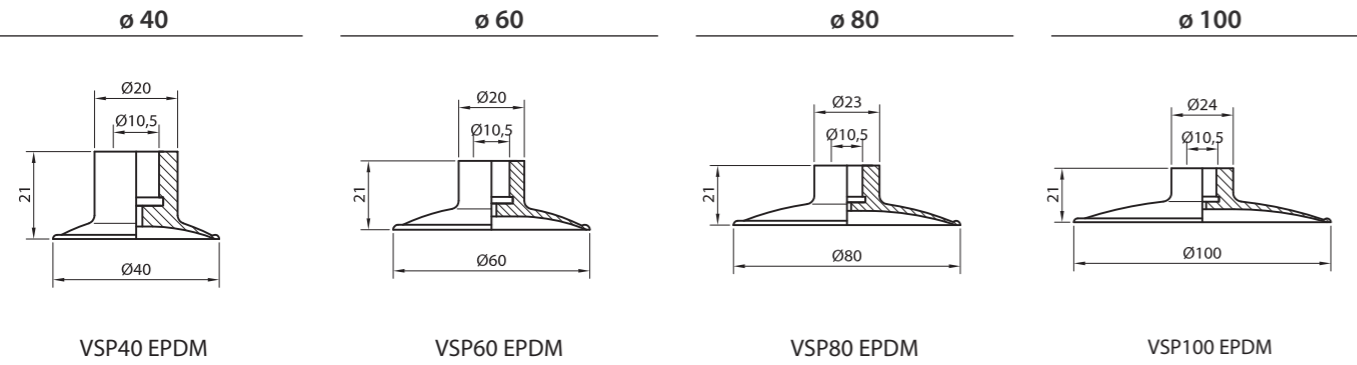
**MODULARES MODULAR | VMD F3**



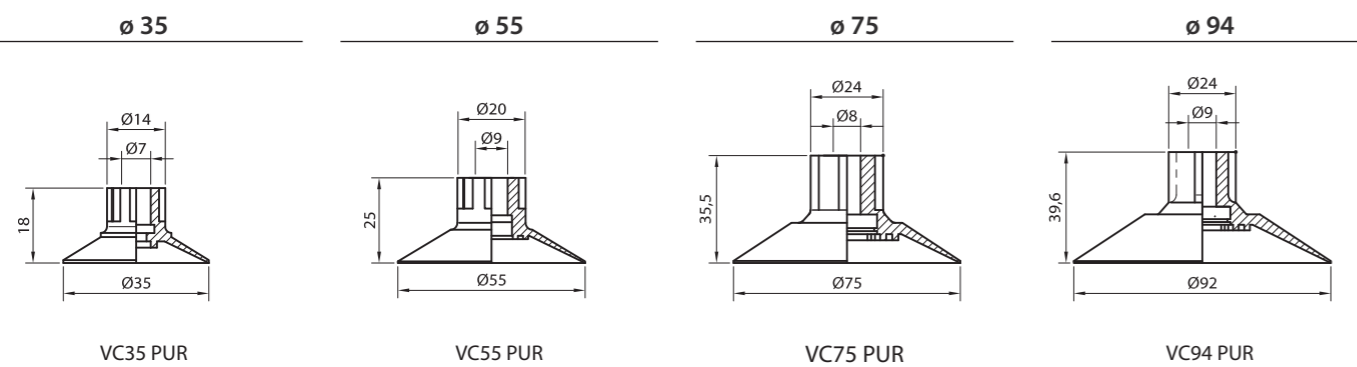
**MODULARES MODULAR | VMD G**



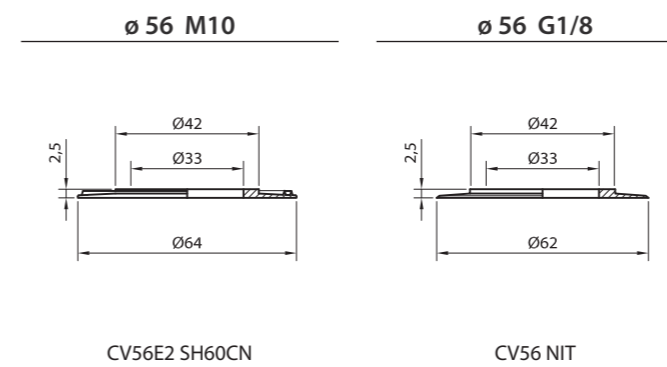
**PLANAS FLAT | VSP**



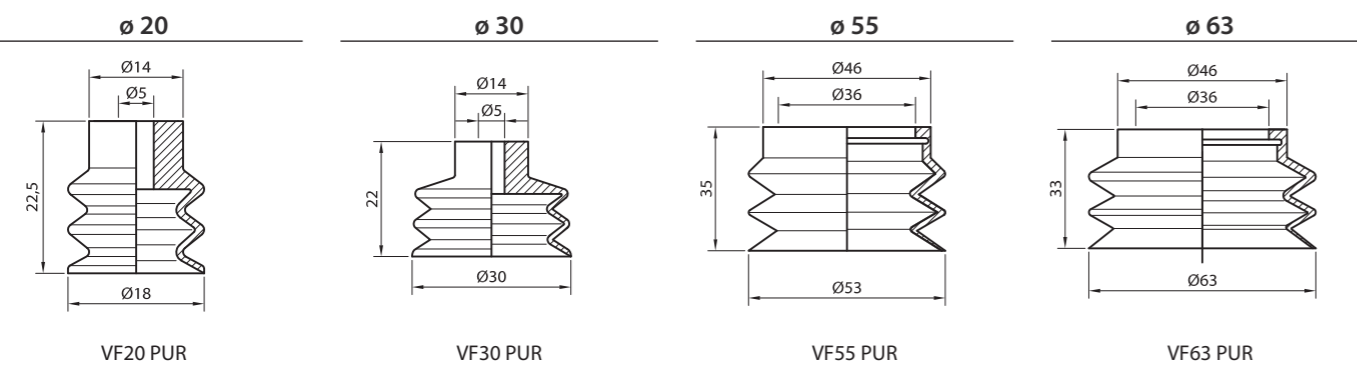
**POLIURETANO POLIURETHANE | VC PUR**



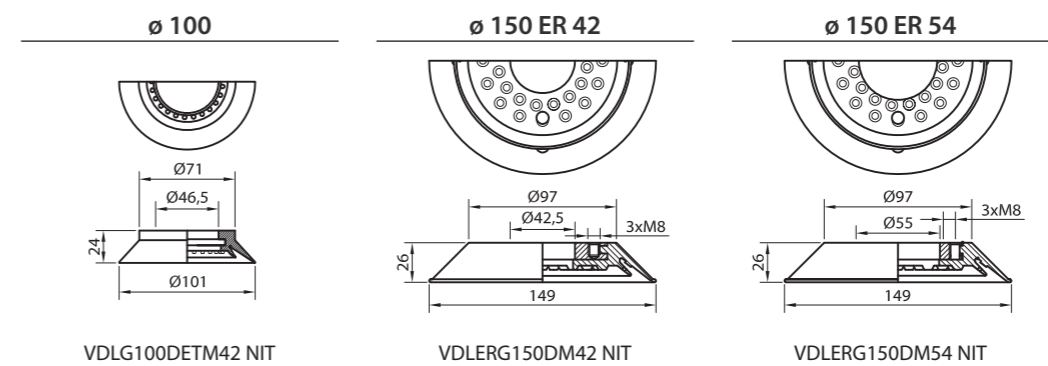
**USOS ESPECIALES SPECIAL USE | CVA**



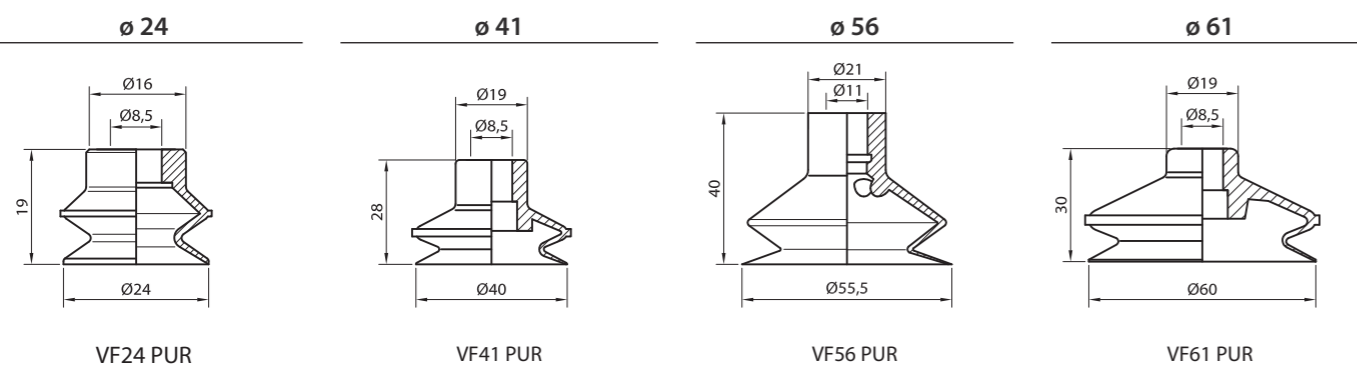
**POLIURETANO POLIURETHANE | VF PUR**



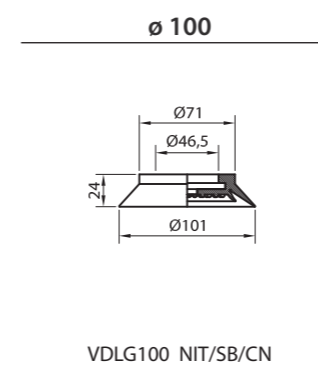
**DETECTOR CHAPA SHEET DETECTOR | DET**



**POLIURETANO POLIURETHANE | V11/2 PUR**



**GRANDES CARGAS HEAVY LOADS | VDL**



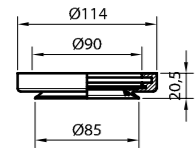
RACORSY RECAMBIOS  
FITTINGS AND SPARES

RACORSY RECAMBIOS  
FITTINGS AND SPARES



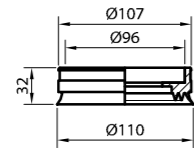
**GRANDES CARGAS** HEAVY LOADS | VPD

Ø 85



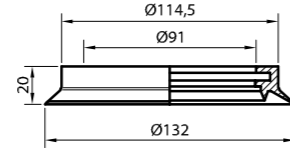
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Ø 110



V110 CN

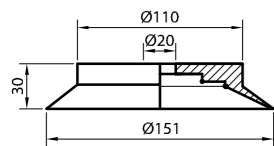
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VPDG132 NIT/SB/CN

**GRANDES CARGAS** HEAVY LOADS | VMB

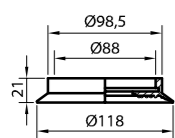
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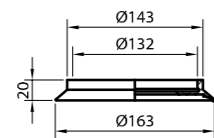
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Ø 110



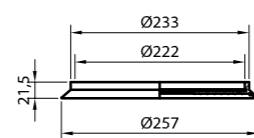
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Ø 155



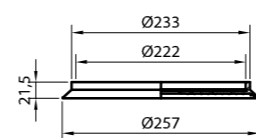
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Ø 250



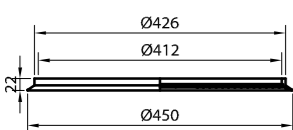
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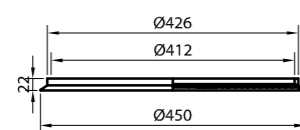


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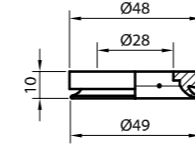


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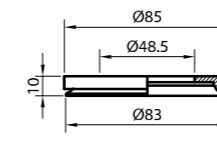
**GRANDES CARGAS** HEAVY LOADS | VML

Ø 50



VMLG50 NIT/SB

Ø 85



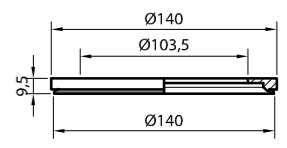
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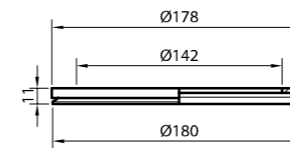
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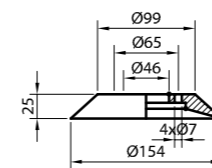
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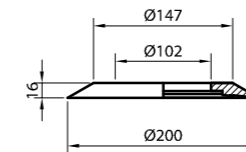
**GRANDES CARGAS** HEAVY LOADS | VTL

Ø 154



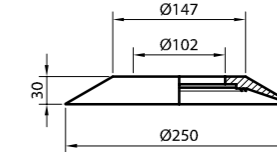
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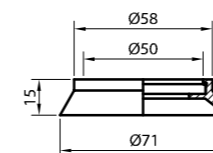
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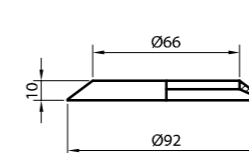
**GRANDES CARGAS** HEAVY LOADS | VZ I

Ø 71



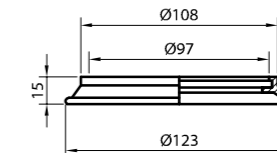
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Ø 92



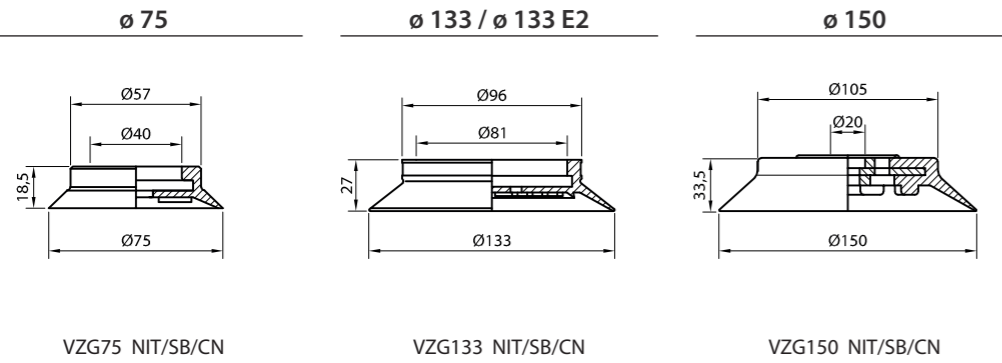
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Ø 123

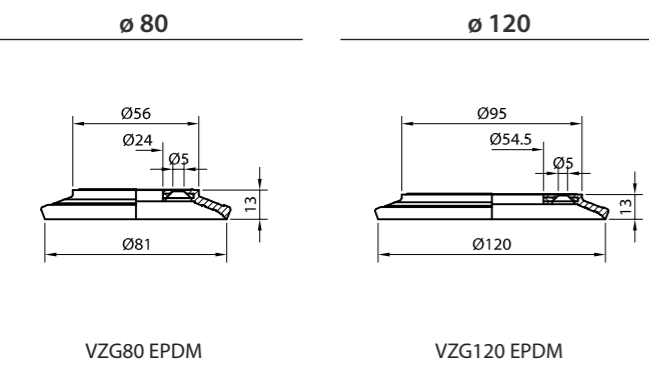


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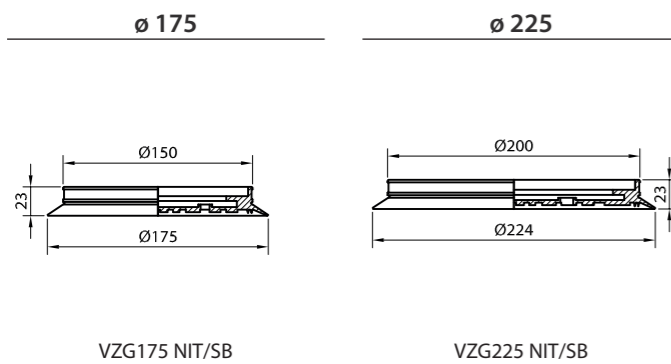
**GRANDES CARGAS HEAVY LOADS | VZ II**



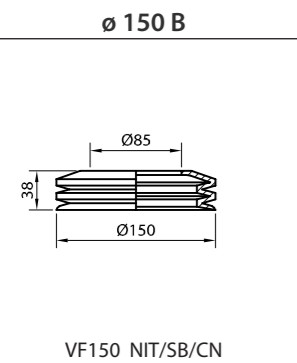
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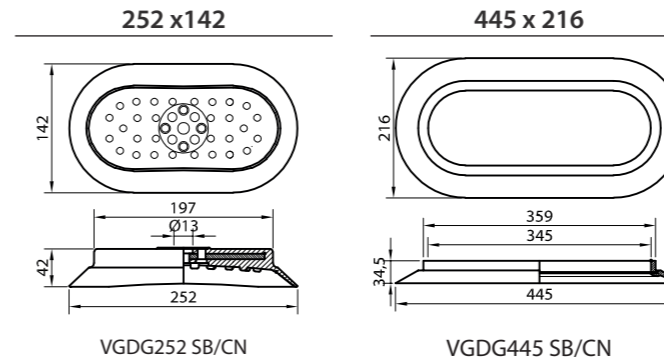
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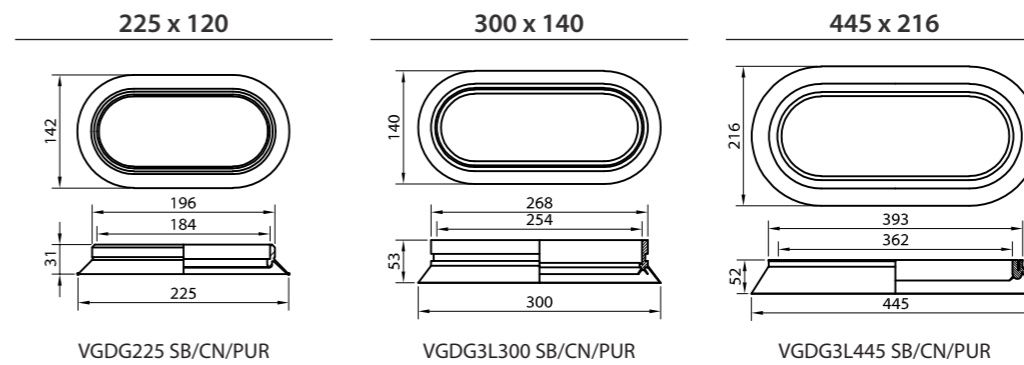
**GRANDES CARGAS HEAVY LOADS | VFR**



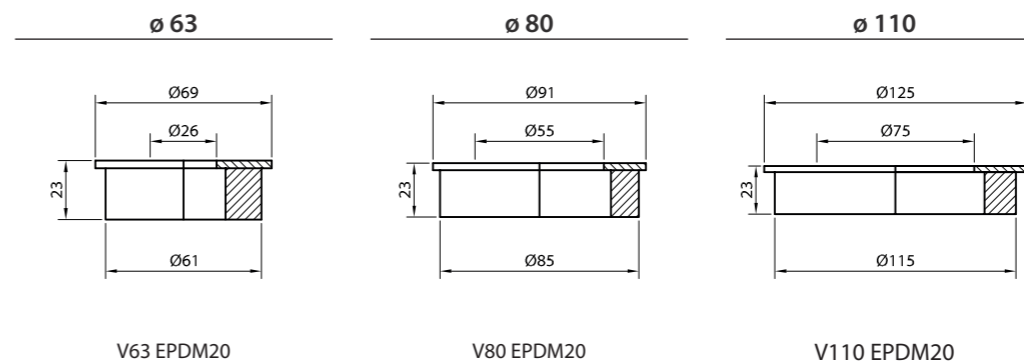
**GRANDES CARGAS HEAVY LOADS | VGD**

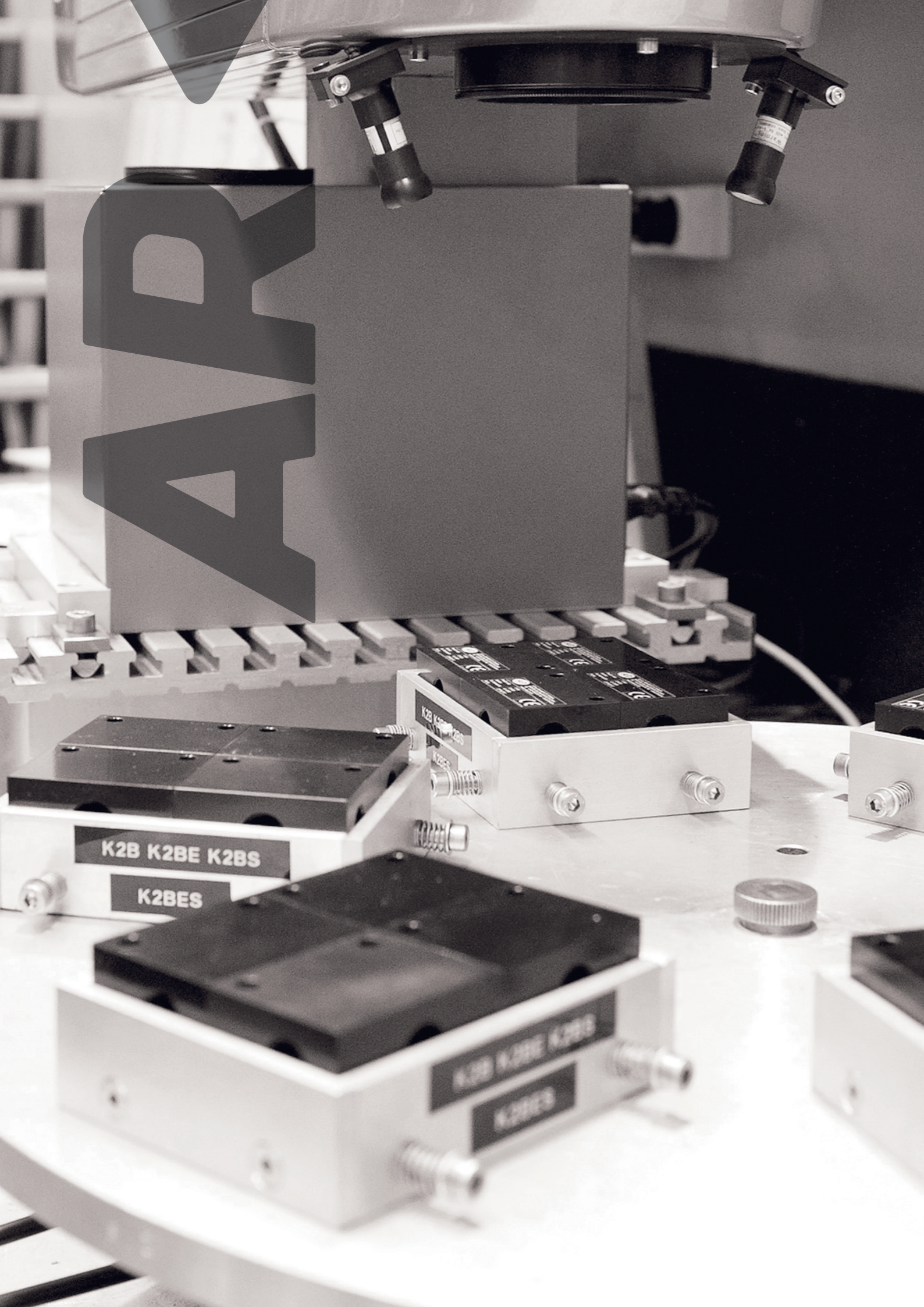


**GRANDES CARGAS HEAVY LOADS | VGD / VGDS**



**ARO DE ESPUMA FOAM RING | V EPDM**





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A200	402	CVK50SREAQ1TP	410	ESQTATI2L	384	EVK3BER	79	EVNK2KITCLIP	52	FILKITFMV11/2	329	INDVACPNNNA	314	RAC24R1/4M	191
BEVABU1013220	84	CVK50SREAQ2	410	ESQTATIGT	385	EVK3BERAQ	79	EVNK2R + EVCK100	46	FILKITFMV11/4	328	INDVACPNNC	314	RAC25R3/8H	192, 199, 215, 217, 218, 219
BEVABU101324A	84	CVK50SREAQ2TP	410	ESQTATIP	382	EVK3BES220	83	EVNK2R + EVCK180	47	FILKITFMV2	329	INDVAR1001/4	312	RAC26R1/4M	195
BEVABU101324C	84	CVK50SREAQ3	410	ESQTATIPRC	382	EVK3BES220AQ	83	EVNK2R100CMP8	66	FILKITFNU1/2	324	INDVAR1001/4C1	313	RAC27R1/4M	195
BEVAFLC220	71, 75	CVK50SREAQ3TP	410	ESQTATIT	385	EVK3BES24A	83	EVNK2R180CMP8	67	FILKITFNU1/2L100	325	INDVAR1001/4PNNNA	314	RAC28R3/8M	195
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CALVAL10L	340	CVK75SREAQ2	411	EVABUR45M824C	45, 55	EVK3BS220AQ	79	EVNKKITT65SM824C	39	FILKITFVP1/2P	326	KITVAL1A	188, 190	RAC31R1/4M	167
CALVAL15L	341	CVK75SREAQ2TP	411	EVAFLC220	71, 75	EVK3BS24A	79	EVNKKITT85M824C	48	FILKITFVP1/2PL	326	KITVAL2	164, 166	RAC36R1/4H	198
CALVAL1'5L	338	CVK75SREAQ3	411	EVAFLC24A	71, 75	EVK3BS24AAQ	79	EVNKKITT85NASM824C	49	FILKITFVP1P	327	KITVAL3	165, 167, 168, 176, 195, 227,	RAC37R1/2M	220, 221
CALVAL20L	341	CVK75SREAQ3TP	411	EVAFLC24C	71, 75	EVK3BS24C	79	EVNKKITT85SM824C	49	FILKITFVP1PL	327			RAC37R1/4M	220, 221
CALVAL25L	342	CVSKN1	102	EVASBUR458NASM824C	55	EVK3BS24CAQ	79	EVV32R1/224CNA	320	FILKITFVP3/4	327	KITVAL6A	226	RAC37R1/8M	220, 221
CALVAL2L	339	CVSKN1SS2CMP	102	EVASBUR45NASM824C	45	EVKAC220	96	EVV32R1/224CNC	320	FILKITFVP3/4P	327	KITVAL7	199	RAC37R3/8M	220, 221
CALVAL3L	339	CVSKN1SS2CMPAQ	102	EVASBUR45SM824C	45, 55	EVKAC2202R	406	EVV32R11/224CNA	321	FILKITFVP3/4PL	327	KITVAL8	191, 192, 193, 227, 225	RAC3R1/8M	160, 161, 182, 187, 214, 225
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CALVAL60L	343	CVSKN24S220	114	EVCK100	57	EVKAC2202RS2	406	EVV32R3/424CNA	320	FILLINT7PL	323	PCABRCOBRA20	175	RAC5R1/8M	161, 162
CILCRV3210	332	CVSKN24S4AAQ	114	EVCK180	57	EVKAC2202RS2TP	406	EVV32R3/424CNA	320	FILTATFLGP1	387	PCABRCOBRA21	174	RAC6R1/4M	162, 163, 215
CILCRV32100	333	CVSKN24S4CAQ	114	EVCK20	56	EVKAC2202RS3	406	FCV100-115	290	FILTATFLGP1AL	387	PCEVNK1JUNNIT	43	RAC7R1/4M	164, 165, 174, 175, 187, 189, 190, 193, 207, 222, 226
CILCRV3225	332	CVSKN25S2CMP	103	EVCK40	56	EVKAC2202RS3TP	406	FCV120-130	290	FILTATFLGP1VER	387	PCEVNK1MEMBNIT	43	RAC7R3/8M	194, 223
CILCRV3250	333	CVSKN25S2CMPAQ	103	EVCK60	57	EVKAC240	96	FCV160-180	290	FILTATFLGP2	387	PCEVNK2JUNNIT	53	RAC8R3/8M	165
CILCRV3275	333	CVSKN3	103	EVFK10	32	EVKAC2402R	407	FCV210-220	290	FILTM380TFLCACIL	387	PCEVNK2MEMBNIT	53	RAC9R1/4M	166, 168, 176, 227
CILCVP32100A	335	CVSKN3SS2CMP	103	EVFK15	32	EVKAC2402RS1	407	FCV230-250	291	FILTMINX150R2F05	386	PCEVNK2V4	52		
CILCVP3210A	334	CVSKN3SS2CMPAQ	103	EVFK20	33	EVKAC2402RS1TP	407	FCV280-320	291	FILTMINX150R2F15	386	PCTM250	380		
CILCVP3225A	334	CVSKN4	104	EVFKKITPL	33	EVKAC2402RS2	407	FCV330-350	291	FILTMFL150	386	PCTM380	380	RACACOP1/2M1/4M	286
CILCVP3250A	335	CVSKN4SS2CMP	104	EVFKKITPLESC	33	EVKAC2402RS2TP	407	FILFCL2	330	FILTMFL150AL	386	PCVALBOLPOL8	174	RACACOP1/2M3/8H	286
CILCVP3275A	335	CVSKN4SS2CMPAQ	104	EVFKKITRED	32, 33	EVKAC2402RS3	407	FILFCL2ABR	330	FILTMFL150AL2	386	PH101SG	276	RACACOP1/4H3/8H	287
CILCVP40100A	337	CVSKN6	105	EVK1	68	EVKAC2402RS3TP	407	FILFCL3	331	FILTMFL150GRIAL	386	PH102SG	276	RACACOPLGUIA1/2M	287
CILCVP4010A	336	CVSKN6SS2CMP	105	EVK1E	68	EVKAC260	97	FILFCL3ABR	331	FILTMFL150OVER	386	PH104SG	277	RACACOPLGUIA1/4H	287
CILCVP4025A	336	CVSKN6SS2CMPAQ	105	EVK2B	70	EVKAC280	97	FILFCL4	331	FILTMFL260	386	PH105SG	277	RACACOPLGUIA3/8M	287
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CILCVP4075A	337	ECOND5R1/206R1/4	354	EVK2BEAQ	74	EVKITIN40	91, 97, 347	FILFMV1	328	FILTMFL260AL2	386	RAC10R1/4M	167	RACVAL11	195
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CV56NIT	279	ECOND5R1/210R1/4	355	EVK2BEERAQ	75	EVKITK1	68	FILFMV11/4	328	FILTMFL260VER	386	RAC13R1/8M	159, 185, 204	RACVAL13	167
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CVK10SREAQ	408	ECOND5R3/806R1/4	352	EVK2BES220	75	EVKZ20 + EVKZKITM	404	FILFNU1/2	324	INDAP41PNPCON	311	RAC15R1/8M	182, 185, 186, 224, 225,	RACVAL1A	188
CVK10SREAQ1	408	ECOND5R3/808R1/4	353	EVK2BES24A	75	EVKZ40	90	FILFNU1/2L100	325	INDAP51PNP2	310			RACVAL2	164
CVK10SREAQ1TP	408	ECOND5R3/810R1/4	353	EVK2BES24C	75	EVKZ40 + EVKZKITM	405	FILFNU3/8B	324	INDAP51PNPA	310	RAC16R1/8M	174, 186, 188, 224	RACVAL3	165
CVK10SREAQ2	408	ECONRED3/4	316	EVK2BS220	71	EVKZ60	91	FILFNU3/8BP	324	INDAP52PNPA	311			RACVAL4	166
CVK10SREAQ2TP	408	ECONV1	282	EVK2BS24A	71	EVKZ80	91	FILFVP1	327	INDCBL1.5CONC	311	RAC16R1/8M65	205	RACVAL5	168, 176, 227
CVK10SREAQ3	408	ECONV4	282	EVK2BS24C	71	EVNK1 + EVCK20	36	FILFVP1/2	326	INDCBL2CON	311	RAC17R1/4H	205	RACVAL6A	226
CVK10SREAQ3TP	408	ECONV8	283	EVK3B	78	EVNK1 + EVCK40	37	FILFVP1/2P	326	INDCBL3CONC	311	RAC17R1/4MLG20	212	RACVAL7	199
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CVK25SREAQ	409	ECONVREG3/4	318	EVK3BE	82	EVNK1KITCLIP	42	FILFVP1P	327	INDRB100	307	RAC19R1/4H	189	RACVAL9	191, 193, 225, 227
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CVK25SREAQ2	409	ECONYORK1/2	349	EVK3BEERAQ	83	EVNK1R + EVCK40	37	FILFVP3/4P	327	INDRB65	306	RAC1RM5M	158	RFBPVF30	288
CVK25SREAQ2TP	409	ECONYORK11/4	349	EVK3BEERS1AQ	84	EVNK1R + EVCK60	37	FILFVP3/4PL	327	INDRC41PNPCON	311	RAC20R3/8MLG45	212	RFBPVF43	288
CVK25SREAQ3	409	ECONYORK2	350	EVK3BEERS220	84	EVNK1R20CMP8	64	FILINT10P	323	INDRT40	307	RAC21R1/4M	189, 207, 209, 208, 211, 205	RFBPVF45	288
CVK25SREAQ3TP	409	ECONYORK3	350	EVK3BEERS24A	84	EVNK1R40CMP8	65	FILKITFCL2	330	INDRT40PL	307			RFBPVF55	289
CVK50	120	ECONYORK3/4	349	EVK3BEERS24C	84	EVNK1R60CMP8	65	FILKITFCL3	331	INDRT65	307	RAC22R1/4M	211	RFBPVF63	289
CVK50SREAQ	410	ECONYORK3/8	348	EVK3BEERS2AQ	84	EVNK2 + EVCK100	46	FILKITFCL4	331	INDRT65GLI	307	RAC23R1/4M	191, 193, 227	RFBPVF73	289
CVK50SREAQ1	410	ESQTATI	384	EVK3BEERS3AQ	84	EVNK2 + EVCK180	47	FILKITFMV1	328	INDRTM40	308	RAC23R3/8MLG41	213	RS11	285

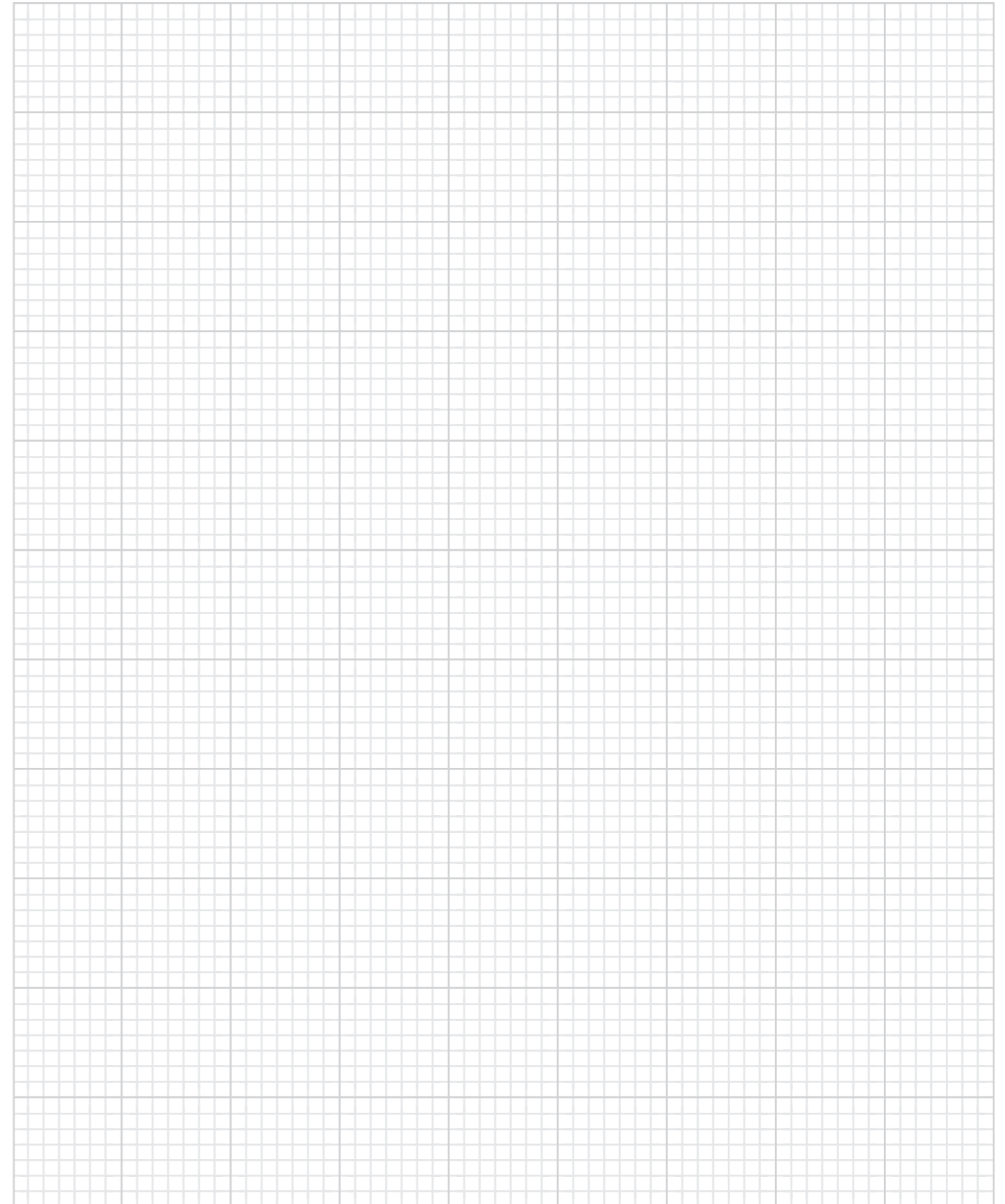
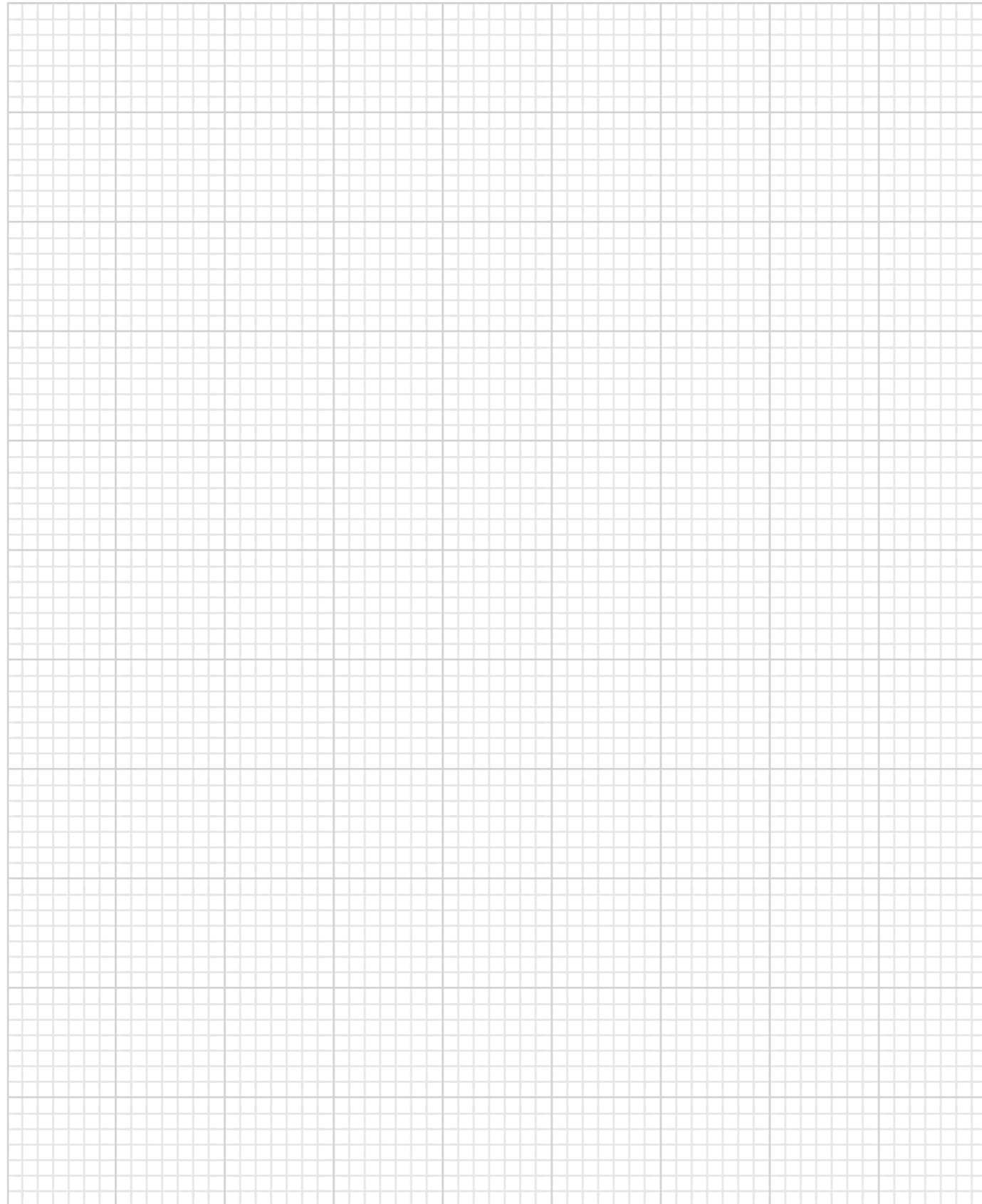
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