

The logo consists of the letters 'NPI' in a bold, black, sans-serif font, enclosed within a white rounded rectangle with a thick black border. In the top-left corner of the overall image, there is a small yellow icon of two interlocking circles.

NPI



ACOPLES RAPIDOS

SERIE **A**



ACOPLES RAPIDOS

NPI provee una amplia serie de acoples rápidos especialmente diseñados para una fácil operación donde son continuas las conexiones y desconexiones. Con la simple introducción de la punta se abre automáticamente la válvula, permitiendo el máximo flujo de aire. Para desconectar sólo se debe retraer el manguito exterior y sacar la punta, la válvula de inmediato cierra herméticamente e interrumpe el flujo de aire. Esta serie de acoples se provee con roscas para tubo, macho o hembra de 1/8", 1/4", 3/8", 1/2" y 3/4", así como también con conexión dentada para tubo flexible. Esta versátil serie de acoples se ajusta en sus distintas versiones a las especificaciones MIL-C-4109, ARO 210 e ISO DIS 6150-A.

QUICK COUPLINGS

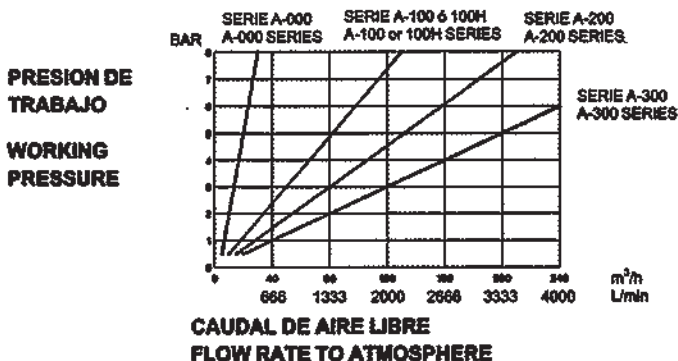
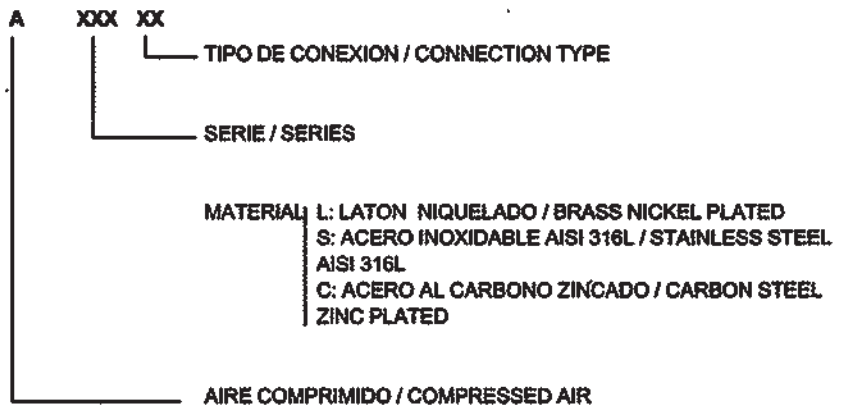
NPI provides a large series quick couplings, designed specifically for easy operation where continuous connect and disconnect. To connect, simply push nipple into coupler. The coupler valve opens automatically to allow maximum air flow. To disconnect, retract sleeve and pull nipple out, valve immediately closes tight to shut off air flow. This series is available in 1/8", 1/4", 3/8", 1/2" and 3/4" inch sizes for female and male pipe thread as well as hose barb connection. These versatile quick couplings conform to MIL-C-4109, ARO 210 and ISO DIS 6150-A.

CARACTERISTICAS TÉCNICAS TECHNICAL DATA

Caudal medio libre a 6 bar Flow-rate +0 atmosphere at 6 bar (85 psi)	SERIE - SERIES					
	000	100	100H	200	300	
	40	60	80	160	240	
MATERIALES DE CONSTRUCCION BUILDING MATERIALS	Macho (punta) Male	L-S	L-C-S	L-C-S	L-C-S	L-C-S
	Hembra (cuerpo) Female	L-S	L-C-S	L-C-S	L-C-S	L-C-S
	Bollita Balls	S	C-S	C-S	C-S	C-S
	Resorte Spring	S	C-S	C-S	C-S	C-S
Presión de trabajo Working pressure	20 BARS 300 psi					
Temperatura de trabajo Working temperature	-30°C A + 0 120°C					
Norma Standard	ISO/DIS 6150 A	US (ARO)	MIL-C 4109	NPI	MIL-C 4109	
Sellos Seals	Nitrilo Nitrile					

Por favor consultar por otras características técnicas
Please consult us for other technical data

ESTRUCTURA DE REFERENCIA REFERENCE STRUCTURE



CONDICIONES DE ENSAYO

- Descarga a la atmósfera
- Simple obturación sobre la parte hembra o cuerpo
- Dirección del flujo desde el cuerpo hacia la parte macho o punta.

TEST CONDITIONS

- Out-let to atmosphere
- Single closing on female part or body
- Flow direction from body to male or nipple.

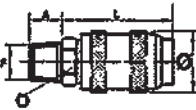
ACOPLES RÁPIDOS PASAJE \varnothing 3 mm
QUICK COUPLINGS PASSAGE \varnothing 3 mm

Rosca hembra
Internal threaded



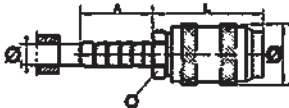
Código Code	F	L mm	A mm	\bullet mm	\varnothing mm
AX-003-11	1/8" BSP	47	9	15.9	16
AX-003-12	1/4" BSP	50	12	15.9	16

Rosca Macho
External threaded



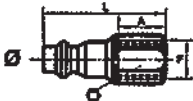
Código Code	F	L mm	A mm	\bullet mm	\varnothing mm
AX-003-21	1/8" BSPT	35	9	15.9	16
AX-003-22	1/4" BSPT	35	12	15.9	16

Salida para manguera
Hose tail



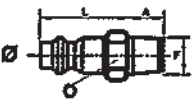
Código Code	\varnothing interno manguera \varnothing internal hose	L mm	A mm	\varnothing mm
AX-003-30	(4 mm)	35	15	16
AX-003-31	3/16" (5 mm)	35	18	16
AX-003-32	1/4" (6 mm)	35	18	16

Rosca hembra
Internal threaded



Código Code	F	L mm	A mm	\bullet mm
AX-001-11	1/8" BSP	26	10	12.7
AX-001-12	1/4" BSP	29	13	15.9

Rosca Macho
External threaded



Código Code	F	L mm	A mm	\bullet mm
AX-001-21	1/8" BSPT	22	9	11.1
AX-001-22	1/4" BSPT	22	11	14.2

Salida para manguera
Hose tail



Código Code	\varnothing interno manguera \varnothing internal hose	L mm	A mm	\varnothing mm
AX-001-30	- (4 mm)	19	15	8
AX-001-31	3/16" (5 mm)	19	18	8
AX-001-32	1/4" (6 mm)	19	18	8

X = reemplazar por código de material indicado en página 2
X = replace by material code indicated on page 2

ACOPLES RÁPIDOS PASAJE \varnothing 5.5 mm
QUICK COUPLINGS PASSAGE \varnothing 5.5 mm

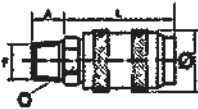


Rosca hembra
Internal threaded



Código Code	F	L mm	A mm	\bullet mm	\varnothing mm
AX-103-11	1/8" BSP	40	10	20.6	24
AX-103-12	1/4" BSP	43	11	20.6	24
AX-103-13	3/8" BSP	48	12	20.6	24
AX-103-14	1/2" BSP	53	16.5	25	24

Rosca Macho
External threaded



Código Code	F	L mm	A mm	\bullet mm	\varnothing mm
AX-103-21	1/8" BSPT	40	9	20.6	24
AX-103-22	1/4" BSPT	40	11	20.6	24
AX-103-23	3/8" BSPT	42	12	20.6	24
AX-103-24	1/2" BSPT	42	16.5	22.2	24

Salida para manguera
Hose tail



Código Code	\varnothing , interno manguera \varnothing , internal hose	L mm	A mm	\bullet mm	\varnothing mm
AX-103-31	1/8" (6 mm)	41	22	22	24
AX-103-32	5/16" (8 mm)	41	22	22	24
AX-103-33	3/8" (10 mm)	41	24.5	24	24
AX-103-34	1/2" (12 mm)	41	29	24	24

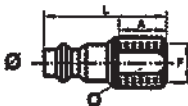
Montaje en panel
Panel mounting



Código Code	\varnothing externo x interno \varnothing external x internal	L mm	A mm	\bullet mm	\varnothing mm
AX-103-40	1/4" BSP	39	17	25	24

Agujero panel / Panel drilling \varnothing =19 mm
Máximo espesor panel / Maximal panel thickness = 10 mm

Rosca hembra
Internal threaded



Código Code	F	L mm	A mm	\bullet mm
AX-101-11	1/8" BSP	32	10	12.7
AX-101-12	1/4" BSP	35	11	15
AX-101-13	3/8" BSP	38	12	19

Rosca Macho
External threaded



Código Code	F	L mm	A mm	\bullet mm
AX-101-21	1/8" BSPT	27	9	11.1
AX-101-22	1/4" BSPT	29	11	14.2
AX-101-23	3/8" BSPT	29	12	17

Salida para manguera
Hose tail



Código Code	\varnothing , interno manguera \varnothing , internal hose	L mm	A mm	\bullet mm
AX-101-31	1/4" (6 mm)	26	18	12.7
AX-101-32	5/16" (8 mm)	26	18	12.7
AX-101-33	3/8" (10 mm)	26	20.5	12.7

X = reemplazar por código de material indicado en página 2
X = replace by material code indicated on page 2

ACOPLES RÁPIDOS PASAJE \varnothing 5.5 mm
QUICK COUPLINGS PASSAGE \varnothing 5.5 mm

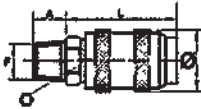
SERIE A-100H
A-100H-SERIES

Rosca hembra
 Internal threaded



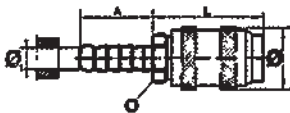
Código Code	F	L mm	A mm	● mm	⊙ mm
AX-105-11	1/8" BSP	40	10	20.6	24
AX-105-12	1/4" BSP	43	11	20.6	24
AX-105-13	3/8" BSP	48	12	20.6	24
AX-105-14	1/2" BSP	50	16.5	25	24

Rosca Macho
 External threaded



Código Code	F	L mm	A mm	● mm	⊙ mm
AX-105-21	1/8" BSPT	40	9	20.6	24
AX-105-22	1/4" BSPT	40	11	20.6	24
AX-105-23	3/8" BSPT	42	12	20.6	24
AX-105-24	1/2" BSPT	42	16.5	22.2	24

Salida para manguera
 Hose tail



Código Code	⊙, interno manguera ⊙, internal hose	L mm	A mm	● mm	⊙ mm
AX-105-31	1/4" (6 mm)	41	22		24
AX-105-32	5/16" (8 mm)	41	22		24
AX-105-33	3/8" (10 mm)	41	24.5		24
AX-105-34	1/2" (12 mm)	41	29		24

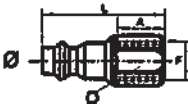
Montaje en panel
 Panel mounting



Código Code	⊙ externo x interno ⊙ external x internal	L mm	A mm	● mm	⊙ mm
AX-105-40	1/4" BSP	39	17	25	24

Agujero panel / Panel drilling = 19 mm
 Máximo espesor panel / Maximal panel thickness = 10 mm

Rosca hembra
 Internal threaded



Código Code	F	L mm	A mm	● mm
AX-107-11	1/8" BSP	34	10	12.7
AX-107-12	1/4" BSP	37	11	15
AX-107-13	3/8" BSP	40	12	19

Rosca Macho
 External threaded



Código Code	F	L mm	A mm	● mm
AX-107-21	1/8" BSPT	31	9	11.1
AX-107-22	1/4" BSPT	31	11	14.2
AX-107-23	3/8" BSPT	31	12	17

Salida para manguera
 Hose tail



Código Code	⊙, interno manguera ⊙, internal hose	L mm	A mm	● mm
AX-107-31	1/4" (6 mm)	28	22	12.7
AX-107-32	5/16" (8 mm)	28	22	12.7
AX-107-33	3/8" (10 mm)	28	24.5	12.7

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ACOPLES RÁPIDOS PASAJE \varnothing 7.5 mm
QUICK COUPLINGS PASSAGE \varnothing 7.5 mm

Rosca hembra
Internal threaded



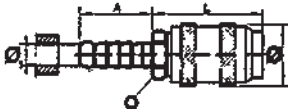
Código Code	F	L mm	A mm	● mm	Ø mm
AX-203-12	1/4" BSP	54	11	23.8	28
AX-203-13	3/8" BSP	54	12	23.8	28
AX-203-14	1/2" BSP	61	16.5	25	28

Rosca Macho
External threaded



Código Code	F	L mm	A mm	● mm	Ø mm
AX-203-22	1/4" BSPT	60	11	23.8	28
AX-203-23	3/8" BSPT	60	12	23.8	28
AX-203-24	1/2" BSPT	63	16	23.8	28

Salida para manguera
Hose tail



Código Code	Ø interno manguera Ø internal hose	L mm	A mm	● mm	Ø mm
AX-203-31	1/4" (6 mm)	45	22	28	28
AX-203-32	5/16" (8 mm)	45	22	28	28
AX-203-33	3/8" (10 mm)	46	24.5	28	28
AX-203-34	1/2" (12 mm)	71	29	28	28

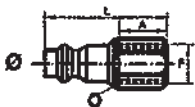
Montaje en panel
Panel mounting



Código Code	F	L mm	A mm	● mm	Ø mm
AX-203-40	3/8" BSP	45	20	28.6	28

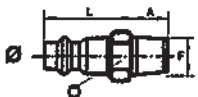
Agujero panel / Panel drilling = 25 mm
Máximo espesor panel / Maximal panel thickness = 13 mm

Rosca hembra
Internal threaded



Código Code	F	L mm	A mm	● mm	Ø mm
AX-201-12	1/4" BSP	39	11	15.8	14
AX-201-13	3/8" BSP	36	13	19	17
AX-201-14	1/2" BSP	39	15	25	22

Rosca Macho
External threaded



Código Code	F	L mm	A mm	● mm	Ø mm
AX-201-22	1/4" BSPT	28	11	14	14
AX-201-23	3/8" BSPT	28	12	17	17
AX-201-24	1/2" BSPT	28	16.5	22	22

Salida para manguera
Hose tail



Código Code	Ø interno manguera Ø internal hose	L mm	A mm	● mm	Ø mm
AX-201-31	1/4" (6 mm)	24	22	12.7	12.7
AX-201-32	5/16" (8 mm)	24	22	12.7	12.7
AX-201-33	3/8" (10 mm)	24	24.5	14.2	14.2
AX-201-34	1/2" (12 mm)	24	29	14.2	14.2

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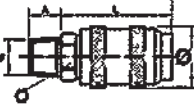
ACOPLES RÁPIDOS PASAJE \varnothing 11 mm
QUICK COUPLINGS PASSAGE \varnothing 11 mm

Rosca hembra
Internal threaded



Código Code	F	L mm	A mm	● mm	⊙ mm
AX-303-13	3/8" BSP	66	15	28.6	32
AX-303-14	1/2" BSP	66	15	28.6	32
AX-303-16	3/4" BSP	70	18	30	32

Rosca Macho
External threaded



Código Code	F	L mm	A mm	● mm	⊙ mm
AX-303-23	3/8" BSPT	52	13	28.6	32
AX-303-24	1/2" BSPT	55	15	28.6	32
AX-303-26	3/4" BSPT	57	19	28.6	32

Salida para manguera
Hose tail



Código Code	⊙ interno manguera ⊙ internal hose	L mm	A mm	⊙ mm
AX-303-33	3/8" (10 mm)	52	20.5	32
AX-303-34	1/2" (12 mm)	52	26	32
AX-303-35	5/8" (15 mm)	52	26	32
AX-303-36	3/4" (19 mm)	52	30	32

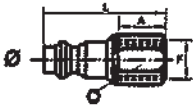
Montaje en panel
Panel mounting



Código Code	F	L mm	A mm	● mm	⊙ mm
AX-303-40	1/2" BSP	55	23	38	32

Agujero panel / Panel drilling = \varnothing 31 mm
Máximo espesor panel / Maximal panel thickness = 16 mm

Rosca hembra
Internal threaded



Código Code	F	L mm	A mm	● mm	⊙ mm
AX-301-13	3/8" BSP	51	13	19	
AX-301-14	1/2" BSP	54	15	25	
AX-301-16	3/4" BSP	58	19	30	

Rosca Macho
External threaded



Código Code	F	L mm	A mm	● mm	⊙ mm
AX-301-23	3/8" BSPT	45	12	19	
AX-301-24	1/2" BSPT	45	15	22.2	
AX-301-26	3/4" BSPT	45	18	28.6	

Salida para manguera
Hose tail



Código Code	⊙ interno manguera ⊙ internal hose	L mm	A mm	⊙ mm
AX-301-33	3/8" (10 mm)	42	24.5	19
AX-301-34	1/2" (12 mm)	42	29	19
AX-301-35	5/8" (15 mm)	42	28	20
AX-301-36	3/4" (19 mm)	42	30	25

X = reemplazar por código de material indicado en página 2
X = replace by material code indicated on page 2



ACOPLES RÁPIDOS PASAJE \varnothing 17 mm
QUICK COUPLINGS PASSAGE \varnothing 17 mm

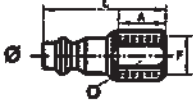
SERIE A-400
A-400 SERIES

Rosca hembra
Internal threaded



Código Code	F	L mm	A mm	● mm	Ø mm
AX-403-16	R 3/4" BSP	78	29	34.9	38
AX-403-17	R 1" BSP	81	32	38.1	38

Rosca hembra
Internal threaded



Código Code	F	L mm	A mm	● mm
AX-401-16	3/4" BSP	63	18	34.9
AX-401-17	1" BSP	68	22	38.1

ACOPLES RÁPIDOS PASAJE \varnothing 24 mm
QUICK COUPLINGS PASSAGE \varnothing 24 mm



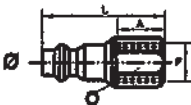
SERIE A-500
A-500 SERIES

Rosca hembra
Internal threaded



Código Code	F	L mm	A mm	● mm	Ø mm
AX-503-17	R 1" BSP	81	32	41.2	44.5
AX-503-18	R 1-1/4" BSP	87	38	44.5	44.5

Rosca hembra
Internal threaded



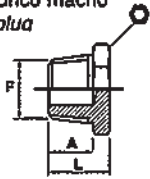
Código Code	F	L mm	A mm	● mm
AX-501-17	R 1" BSP	67	22	38.1
AX-501-18	R 1-1/4" BSP	73	28	44.5

X = reemplazar por código de material indicado en página 2
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ACCESORIOS FITTINGS

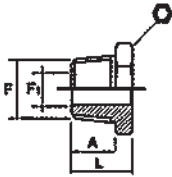
ACCESORIOS FITTINGS

Tapón cilíndrico macho
Threaded plug



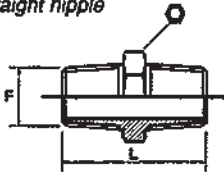
Código Code	F	L mm	A mm	● mm	∅ mm
TAX-21	1/8" BSPT	13	9	11.1	
TAX-22	1/4" BSPT	18	12	14.2	
TAX-23	3/8" BSPT	18	14	17.3	
TAX-24	1/2" BSPT	20.2	17	22.2	
TAX-25	3/4" BSPT	21	20	28.6	

Buje reducción
Male-Female reduction



Código Code	F (Rosca macho) (External threaded)	F ₁ (Rosca macho) (External threaded)	L mm	A mm	● mm
BRX-22-11	1/4" BSPT	1/8" BSP	17	12	14.2
BRX-23-11	3/8" BSPT	1/8" BSP	18	14	17.5
BRX-23-12	3/8" BSPT	1/4" BSP	18	14	17.5
BRX-24-11	1/2" BSPT	1/8" BSP	24.5	17	22.2
BRX-24-12	1/2" BSPT	1/4" BSP	24.5	17	22.2
BRX-24-13	1/2" BSPT	3/8" BSP	24.5	17	22.2
BRX-25-11	3/4" BSPT	1/8" BSP	25.2	20	28.6
BRX-25-12	3/4" BSPT	1/4" BSP	25.2	20	28.6
BRX-25-13	3/4" BSPT	3/8" BSP	25.2	20	28.6
BRX-25-14	3/4" BSPT	1/2" BSP	25.2	20	28.6

Entremosca
Straight nipple



Código Code	F	L mm	● mm
RTX-21-21	1/8" BSPT	22	11.1
RTX-22-22	1/4" BSPT	29	14.3
RTX-23-23	3/8" BSPT	30	17.5
RTX-24-24	1/2" BSPT	41	22.2
RTX-25-25	3/4" BSPT	42.4	28.6

Unión de mangueras
Extension



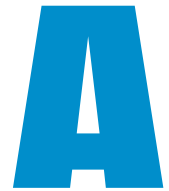
Código Code	∅ interno de manguera Hose internal ∅	L mm
UMX-31	1/4"	50
UMX-32	5/16"	50
UMX-33	3/8"	56
UMX-34	1/2"	66
UMX-35	5/8"	67
UMX-36	3/4"	82
UMX-37	1"	98

Buje reducción
BSP taper extern. threaded



Código Code	F	∅ interno de manguera Hose internal ∅	L mm	A mm	● mm
RFX-21-31	1/8" BSPT	1/4"	35	9	11.1
RFX-22-31	1/4" BSPT		39	12	14.2
RFX-23-31	3/8" BSPT		39	14	17.5
RFX-24-31	1/2" BSPT		45	17	22.2
RFX-21-32	1/8" BSPT	5/16"	35	9	11.1
RFX-22-32	1/4" BSPT		39	12	14.3
RFX-23-32	3/8" BSPT		39	14	17.5
RFX-24-32	1/2" BSPT		44.5	17	22.2
RFX-21-33	1/8" BSPT	3/8"	37.5	9	11.1
RFX-22-33	1/4" BSPT		41.5	14	14.3
RFX-23-33	3/8" BSPT		41.5	17	17.5
RFX-24-33	1/2" BSPT		47	17	22.2
RFX-22-34	1/4" BSPT	1/2"	46	12	14.2
RFX-23-34	3/8" BSPT		46	14	17.5
RFX-24-34	1/2" BSPT		51.5	17	22.2
RFX-26-34	3/4" BSPT		57	20	28.6
RFX-24-35	1/2" BSPT	5/8"	51.5	17	22.2
RFX-24-36	1/2" BSPT	3/4"	62.7	17	22.2
RFX-26-36	3/4" BSPT		65.5	20	28.6
RFX-27-36	1" BSPT		73	25	34.9
RFX-26-37	3/4" BSPT	1"	73	20	28.6
RFX-27-37	1" BSPT		78	25	34.9

X = reemplazar por código de material indicado en página 2
X = replace by material code indicated on page 2



Elección de acople en función del caudal requerido (para el caso de aire comprimido)
How to choose a compressed air coupling for a given flow-rate (air compressed case)

SERIE SERIES	MAXIMO CAUDAL A 6 BAR MAXIMUM FLOW-RATE AT 6 BAR	APLICACIONES USES	CAUDAL DE AIRE LIBRE FLOW-RATE TO ATMOSPHERE AT 6 BAR (m ³ /hora)																			
			0	40	80	120	160	200	240	300	340	380	420	460								
A-000		<ul style="list-style-type: none"> - automatsmo - Instrumentación - automatism - Instrumentation 	■																			
A-100 A-100H		<ul style="list-style-type: none"> - pequeñas herramientas portátiles - boquillas de aire - atornilladores - small portable tools - air nozzles - screw drives 	■	■																		
A-200		<ul style="list-style-type: none"> - alimentadores principales - amoladoras - pequeñas máquinas neumáticas - llaves neumáticas para tuercas - main supply outlet - grinders - small pneumatic machines - pneumatic spanners 	■	■	■																	
A-300		<ul style="list-style-type: none"> - circuito de distribución - carretillas sobre colchón de aire - grandes amoladoras - máquinas neumáticas - alimentadores principales - circuit distribution - trucks air inflating - strong grinders - pneumatic machines - main supply outlets 	■	■	■	■																
A-400		<ul style="list-style-type: none"> - palas neumáticas - salidas de compresores - alimentadores principales - pneumatic hoists - compressor outlets - main supply outlets 	■	■	■	■	■															
A-500		<ul style="list-style-type: none"> - salidas de compresores - alimentadores principales - compressor outlets - main supply outlets 	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

Temperatura de referencia 20°C
 Reference temperature 20°C