



SPECIAL

CUSTOMIZED

STANDARD

DOGA

WASHER SYSTEMS

EQUIPOS LIMPIAPARABRISAS

SISTEMI LAVACRISTALLI

WASHER SYSTEMS

ÉQUIPEMENTS LAVE-GLACE

SCHEIBENWASCHANLAGEN



202

En DOGA fabricamos una amplia gama de sistemas lavaparabrisas y accesorios que ofrecen soluciones adecuadas para cada vehículo o máquina proporcionando una máxima limpieza de los cristales.

Gracias a la implementación de la nueva tecnología inteligente asociada a la Industria 4.0 hemos logrado automatización y optimización en cada uno de los procesos de fabricación garantizando una máxima calidad en cada producto.

Nuestro equipo de ingenieros trabaja en formato multidisciplinar ofreciendo así una respuesta competencial a las nuevas exigencias tecnológicas. Cada proyecto recibe un trato individualizado y personalizado y se desarrolla aplicando todo el conocimiento que nos aporta este nuevo modelo de industria que ofrece un máximo beneficio a nuestros clientes.

DOGA fabbrica un'ampia gamma di sistemi lavaparabrezza e accessori che offrono soluzioni adeguate a ogni veicolo o macchina per una pulizia dei vetri eccellente.

Grazie all'introduzione di nuove attrezzature con una tecnologia di ultima generazione che rispetta tutti gli standard dell'Industria 4.0, siamo riusciti a ottenere un'automatizzazione e ottimizzazione in ciascuno dei processi di fabbricazione, garantendo la massima qualità in ogni prodotto.

Il nostro team di ingegneri lavora in formato multidisciplinare offrendo in questo modo una risposta agile ed effettiva alle nuove esigenze tecnologiche, e ogni progetto segue la metodologia più adeguata per rispettare e superare tutti i requisiti dei clienti e dell'industria.

DOGA manufactures a wide range of windshield washer systems and accessories that offer appropriate solutions for each vehicle or machine, providing maximum glass cleaning.

Thanks to the incorporation of new state-of-the-art equipment that meets all Industry 4.0 standards, we have achieved automation and optimization in each of the manufacturing processes, therefore guaranteeing maximum quality in each product.

Our team of engineers works in a multidisciplinary fashion, thus responding in a streamlined manner and effectively to the new technological requirements. Each project follows the most appropriate methodology to meet and exceed the requirements of customers and their industry.

Chez DOGA, nous fabriquons une vaste gamme de systèmes lave-glaces et d'accessoires qui offrent des solutions appropriées pour chaque véhicule ou machine en fournissant un nettoyage optimal des vitres.

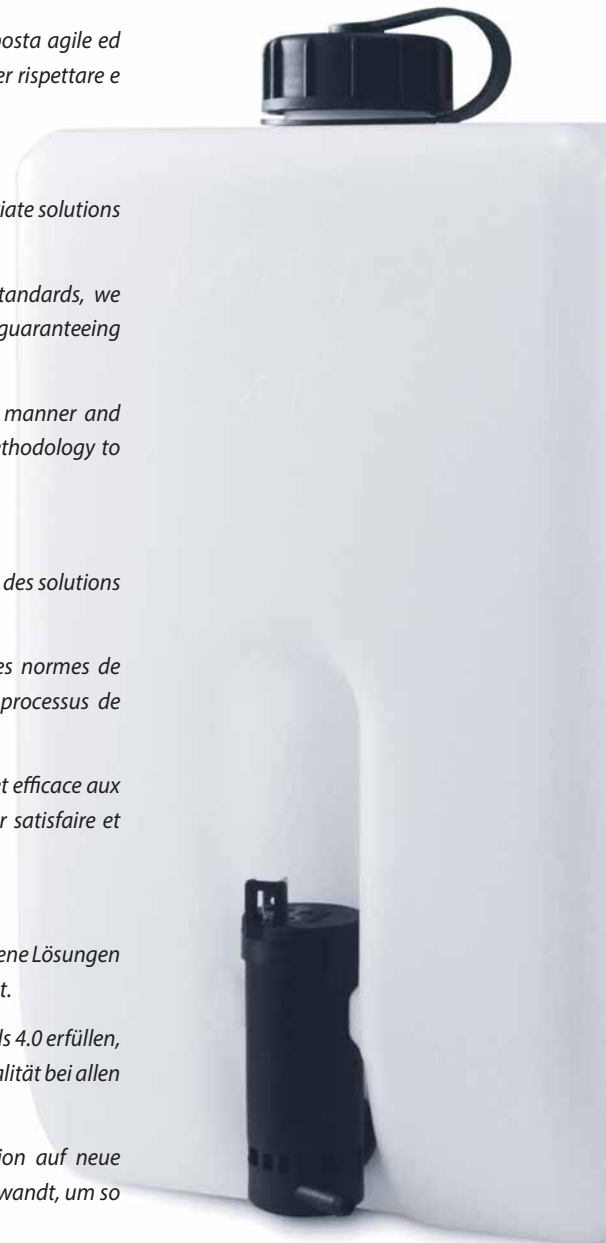
Grâce à l'intégration de nouveaux équipements de dernière technologie qui satisfont toutes les normes de l'Industrie 4.0, nous avons obtenu une automatisation et une optimisation dans chacun des processus de fabrication, en garantissant ainsi une qualité maximale dans chaque produit.

Notre équipe d'ingénieurs travaille d'une façon multidisciplinaire en donnant une réponse rapide et efficace aux nouvelles exigences technologiques. Chaque projet suit la méthodologie la plus appropriée pour satisfaire et dépasser les exigences des clients et de l'industrie.

Bei DOGA fertigen wir eine breite Palette von Scheibenwischersystemen und Zubehör, die angemessene Lösungen für alle Fahrzeuge oder Maschinen bieten und eine maximale Reinigung der Scheiben gewährleistet.

Dank der Einführung neuer Anlagen auf dem jüngsten Stand der Technik, die alle Industriestandards 4.0 erfüllen, haben wir jeden unserer Fertigungsprozesse automatisiert und optimiert und bieten so höchste Qualität bei allen Erzeugnissen.

Unser Ingenieursteam arbeitet multidisziplinär und bietet so eine rasche und effektive Reaktion auf neue technologische Ansprüche und für jedes Projekt wird die am besten geeignete Methodologie angewandt, um so die Ansprüche der Kunden und ihrer Industrie zu erfüllen und zu bewältigen.



SÍMBOLOS - SIMBOLI - SYMBOLS SYMBLES - SYMBLE



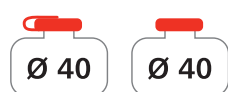
CAPACIDAD EN LITROS
CAPACITÀ IN LITRI
CAPACITY IN LITERS
CAPACITÉ EN LITRES
FÜLLMENGE IN LITERN



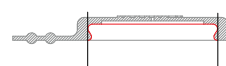
MATERIAL (PP, PEHD...) Y COLOR
MATERIALE (PP, PEHD) E COLORE
MATERIAL (PP, PEHD) AND COLOR
MATÉRIAU (PP, PEHD) ET COULEUR
MATERIAL (PP, PEHD) UND FARBE



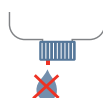
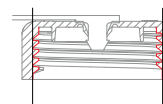
SISTEMA DE FABRICADO: I = INYECCIÓN, S= SOPLADO, R = ROTOMOLDEO
TECNICA DI FABBRICAZIONE: I = INIEZIONE, S= SOFFIAGGIO, R = ROTAZIONALE
FABRICATION METHOD: I = INJECTION, S= BLOW MOULDING, R = ROTATIONAL MOULDING
SYSTÈME DE FABRICATION: I = INJECTION, S= SOUFLAGE, R = ROTO MOULAGE
PRODUKTIONSMETHODE: I= SPRITZGUSS, S= BLASVERFAHREN, R= ROTATION



TAPÓN A PRESIÓN Y DIÁMETRO
TAPPO A PRESSIONE E DIAMETRO
SNAP ON CAP AND DIAMETER
BOUCHON A PRESSION ET DIAMETRE
SCHNAPPVERSCHLUSS UND DURCHMESSER



TAPÓN ROSCADO Y DIÁMETRO
TAPPO A VITE E DIAMETRO
SCREW CAP AND DIAMETER
BOUCHON VISSABLE ET DIAMETRE
SCHRAUBVERSCHLUSS UND DURCHMESSER



TAPÓN CON ANTIRREFLUJO
TAPPO CON ANTIRIFLUSSO
CAP WITH ANTI-REFLUX
BOUCHON AVEC ANTI-REFLUX
SCHRAUBVERSCHLUSS MIT ANTI REFLUX



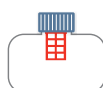
TYP BOMBA
TYP ELETTROPOMPA
TYP PUMP
TYP POMPE
TYP PUMPE



POSICIÓN BOMBA EN DEPÓSITO
POSIZIONE DELL'ELETTROPOMPA NEL SERBATOIO
PUMP POSITION IN BOTTLE
POSITION DE LA POMPE AU RESERVOIR
UNTERBRINGUNG DER PUMPE AM BEHÄLTER



CON INDICADOR DE NIVEL
CON INDICATORE DI LIVELLO
WITH LEVEL INDICATOR
AVEC INDICATEUR DE NIVEAUX
MIT FÜLLSTANDSANZEIGE



INCLUYE FILTRO
INCLUDE FILTRO
FILTER INCLUDED
FILTRE INCLUS
MIT FILTER



INCLUYE SOPORTE
INCLUDE STAFFA
SUPPORT INCLUDED
SUPPORT INCLUS
MIT HALTER



REQUIERE SOPORTE
RICHIEDE STAFFA
SUPPORT REQUIRED
SUPPORT REQUIS
HALTER ERFORDERLICH

06

EQUIPOS LAVAPARABRISAS
SISTEMI LAVACRISTALLI
WASHER SYSTEMS
ÉQUIPEMENTS LAVE-GLACE
SCHEIBENWASCHANLAGEN

06

GUÍA DE EQUIPOS
GUIDA RAPIDA
SYSTEM'S GUIDE
GUIDE D'ÉQUIPEMENTS
MODELLÜRBlick

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EQUIPOS LAVAPARABRISAS ESTANDAR
SISTEMI LAVACRISTALLI STANDARD
STANDAR WASHER SYSTEMS
ÉQUIPEMENTS STANDARD LAVE-GLACE
STANDARDWASCHANLAGEN

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BOMBAS
ELETTROPOMPE
PUMPS
POMPES
PUMPEN

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INDICADOR DE NIVEL
INDICATORE DI LIVELLO
LEVEL INDICATOR
INDICATEUR DE NIVEAUX
FÜLLSTANDANZEIGE

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ACCESORIOS
ACCESSORI
ACCESSORIES
ACCESSOIRES
ZUBEHÖR

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ESQUEMA DE MONTAJE
SCHEMA DI MONTAGGIO
MOUNTING DIAGRAM
SCHEMA DE MONTAGE
MONTAGESCHEMA

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CUSTOMIZED

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SPECIAL

50

TAPONES OPCIONALES
TAPPI OPZIONALI
OPTIONAL CAPS
BOUCHONS OPTIONNELS
OPTIONALE VERSCHLUSSDECKELN

51

RECAMBIOS
RICAMBI
SPARE PARTS
RECHANGES
ERSATZTEILE

DOGA



1L	D2	1-2	12-24	-	○		-	-	-	○	▶	
1,1L	D2	1	12	-	○		-	-	-	-	▶	
1,2L	A1	1	12-24	○	-		○/-	-	-	-	▶	
	H3	1	12-24	○	-		-	-	-	-		
	A4	1	12	○	-		-	-	-	-		
	H3/D2	2	12	○	-		-	-	-	-		
1,5L	A1	1-2	12-24	-	○		○/-	○	-	-	▶	
	D2	1-2	12-24	-	○		-	-	-	○	▶	
	H3	1	12	-	○		-	-	-	○	▶	
	D2	1	12	-	○		-	○	-	○	▶	
	D2	1	12-24	-	○		-	-	-	-	▶	
1,75L	E1	1	12	-	○		-	-	-	○	▶	
	D2	1-2	12-24	-	○		-	-	-	○	▶	
	D2	1-2	12	-	○		-	-	-	○	▶	
2L	E1	1	12	○	-		-	-	-	-	▶	
	F1	1	12	○	-		-	-	-	-	▶	
2,1L	A1	1-2	12-24	○	-		○/-	-	-	-	▶	
	H3	1	12-24	○	-		○/-	-	-	-		
	A1	1-2	12-24	-	○		○/-	○	-	-	▶	
	A4	1-2	12-24	-	○		-	○	-	-		



G4	2	24	-	•		•	•	-	-	▶	
G1	2	12	-	•		•	•	-	-		

2,2L

D2	1-2	12-24	-	•		-	-	-	•	▶	
D2	3	24	-	•		-	-	-	•		

2,5L

D2	1	12-24	-	•		-	-	-	-	▶	
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3L

A1	1	12-24	•	-		•/-	-	-	-	▶	
H3	1	12-24	•	-		-	-	-	-		

A1	1	12-24	•	-		•/-	-	-	-	▶	
H3	1	12-24	•	-		-	-	-	-		

A1	1	12-24	-	•		•/-	•	-	-	▶	
G4	1	12	-	•		•/-	•	-	-		

A1	1	12-24	-	•		•/-	•	-	-	▶	
H4	1	12	-	•		-	•	-	-		

D2	1	24	-	•		-	-	-	•	▶	
D2	2	12-24	-	•		-	-	-	•		

3,2L

D2	1	12-24	-	•		-	-	-	•	▶	
D2	2-3-4	24	-	•		-	-	-	•		
A4	2	24	-	•		-	-	-	•		
H3	2	24	-	•		-	-	-	•		

3,5L

D2	1-2	12-24	-	•		-	-	-	•	▶	
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D2	1	12-24	-	•		-	-	-	•	▶	
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GUÍA DE EQUIPOS - GUIA RAPIDA - SYSTEM'S GUIDE
GUIDE D'ÉQUIPEMENTS - MODELLÜBERBLICK



4L

A1	1	12-24	-	○		-	○	-	-	▶
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5L

D2	3	24	-	○		-	-	-	-	▶
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D2	1-2	24	-	○		-	-	-	-	▶
D2	3	12	-	○		-	-	-	-	▶



5,3L

A1	1-2	12-24	○	-		○/-	-	-	-	▶
A1	3	12-24	○	-		-	-	-	-	▶
G4	1	24	○	-		-	-	-	-	▶
H3	1	12-24	○	-		○/-	-	-	-	▶



A1	1-2	12-24	-	○		○/-	○	-	-	▶
A1	3	12-24	-	○		-	○	-	-	▶
A4	1	24	-	○		○	○	-	-	▶
H3	2	24	-	○		-	○	-	-	▶



5,8L

E1	1	12	○	-		-	-	-	-	▶
F1	1	12	○	-		-	-	-	-	▶



A1	1	12-24	-	○		-	○	-	-	▶
A1	2	12-24	-	○		○/-	○	-	-	▶
A4	1	12-24	-	○		-	○	-	-	▶
G4	1	24	-	○		-	○	-	-	▶



A4	1	24	-	○		○	○	-	-	▶
G1	1	24	-	○		○	○	-	-	▶



6,3L

E1	1	12	○	-		○/-	-	-	-	▶
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6,6L

E1	2	12	○	-		-	-	-	-	▶
----	---	----	---	---	--	---	---	---	---	---



7L

F1	1	12-24	-	○		-	-	-	-	▶
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8,7L

A1	1	24	-	●		-	●	-	-
A4	1	24	-	●		●	●	-	-



A1	2	24	-	●		●	●	●	-
----	---	----	---	---	--	---	---	---	---



A4	2	24	-	●		●	●	-	-
----	---	----	---	---	--	---	---	---	---



9,7L

A1	1-2	12-24	●	-		●/-	-	-	-
A1	3	12-24	●	-		-	-	-	-
H3	1	12-24	●	-		●/-	-	-	-



A1	1-2	12-24	-	●		●/-	●	-	-
A1	3	12-24	-	●		-	●	-	-
A4	2	12-24	-	●		-	●	-	-



11,6L

A4	2	12-24	-	●		-	-	-	-
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15L

A1	1-2	12-24	●	-		●/-	-	-	-
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A1	1-2	12-24	-	●		●/-	●	-	-
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19,4L

A1	2	24	●	-		●	-	-	-
----	---	----	---	---	--	---	---	---	---



G1	2	24	-	●		●	●	-	-
G4	2	24	-	●		●	-	-	-



20L

A1	1	24	-	●		-	-	-	-
G4	1-2	24	-	●		-	-	-	-



PRÓXIMAMENTE - SHORTLY - A BREVE - PROCHAINEMENT - IN KÜRZE



EQUIPOS LAVAPARABRISAS - SISTEMI LAVACRISTALLI - WASHER SYSTEMS
ÉQUIPEMENTS LAVE-GLACE - SCHEIBENWASCHANLAGEN

1 L



230-5115-39-00

PEHD

S



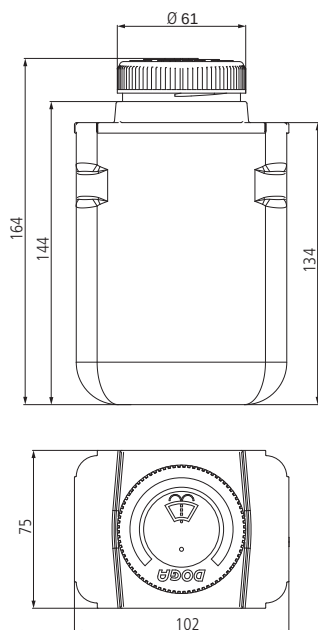
230-0008-04-09



i1

i2

i3



1,1L



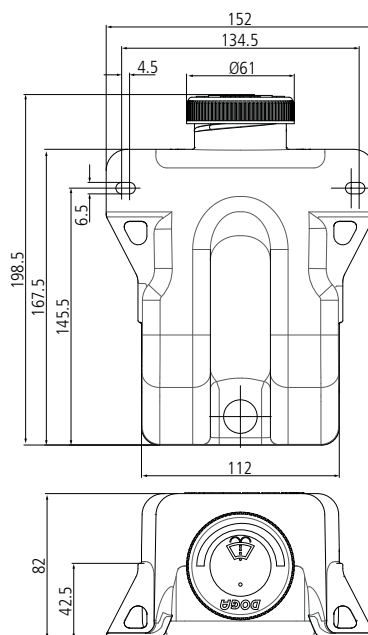
230-5115-39-00

PEHD

S



i1



TYP	num.	volts			REF.
D2	1	12	i1	-	231-1013-20-00
D2	1	24	i1	-	231-1013-30-00
D2	1	12	i3	-	231-1030-20-00
D2	2	12	i2	-	231-2019-20-00
D2	2	24	i2	-	231-2019-30-00

TYP	num.	volts			REF.
D2	1	12	i1	-	231-1076-20-00



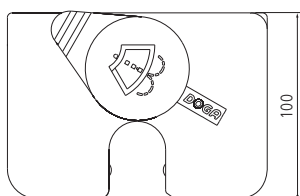
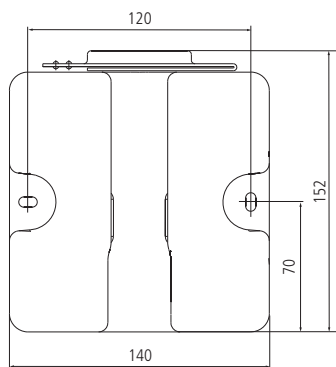
230-0012-39-00



i1



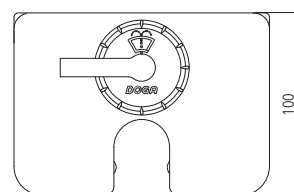
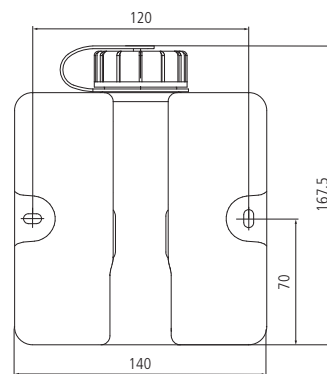
i2



230-5024-39-00



i1



TYP	num.	volts			REF.
A1	1	12	i1	-	231-1001-20-00
A1	1	24	i1	-	231-1001-30-00
A1	1	12	i1	•	231-1002-20-00
A1	1	24	i1	•	231-1002-30-00
H3	1	12	i1	-	231-1080-20-00
H3	1	24	i1	-	231-1080-30-00
A4	1	12	i1	-	231-1061-20-00
H3/D2	2	12	i2	-	231-2036-20-00

TYP	num.	volts			REF.
A1	1	12	i1	-	231-1043-20-00
A1	1	24	i1	-	231-1043-30-00
A1	1	12	i1	•	231-1044-20-00
A1	1	24	i1	•	231-1044-30-00

EQUIPOS LAVAPARABRISAS - SISTEMI LAVACRISTALLI - WASHER SYSTEMS
ÉQUIPEMENTS LAVE-GLACE - SCHEIBENWASCHANLAGEN

1,5 L



230-5115-39-00

230-0005-04-00
230-0005-04-09

i1

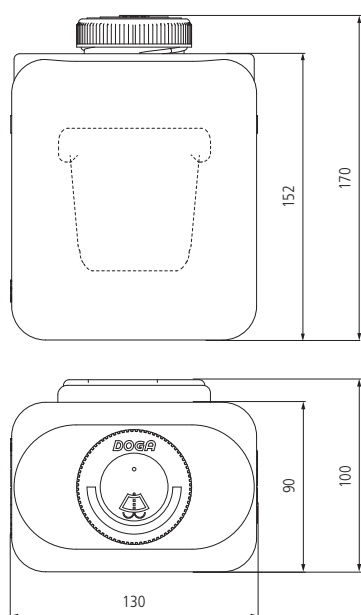
i2

i3



i4

i5



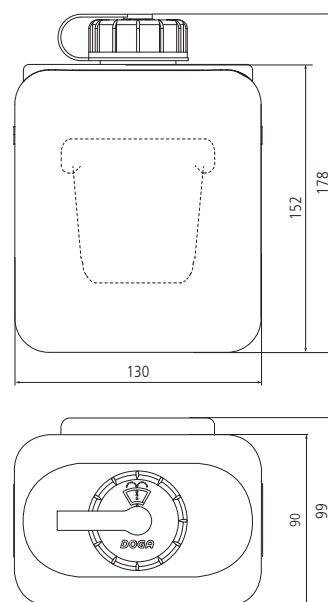
1,5 L



230-5024-39-00

230-0005-04-00
230-0005-04-09

i1

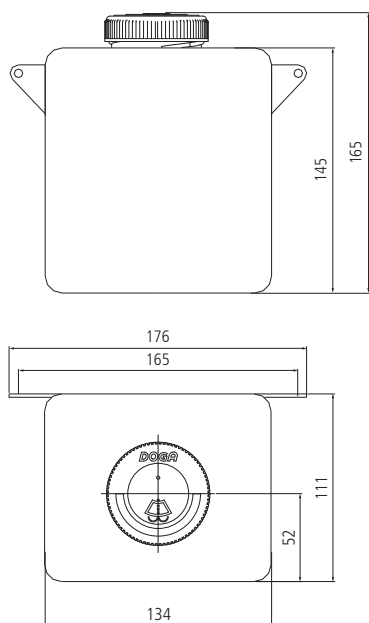


TYP	num.	volts			REF.
D2	1	24	i1	-	231-1024-30-00
D2	1	12	i1	-	231-1005-20-00
D2	1	12	i3	-	231-1081-20-00
D2	1	12	i5	-	231-1053-20-00
D2	1	24	i5	-	231-1053-30-00
H3	1	12	i1	-	231-1075-20-00
D2	2	12	i2	-	231-2002-20-00
D2	2	24	i2	-	231-2002-30-00
D2	2	12	i4	-	231-2008-20-00

TYP	num.	volts			REF.
D2	1	12	i1	-	231-1057-20-00

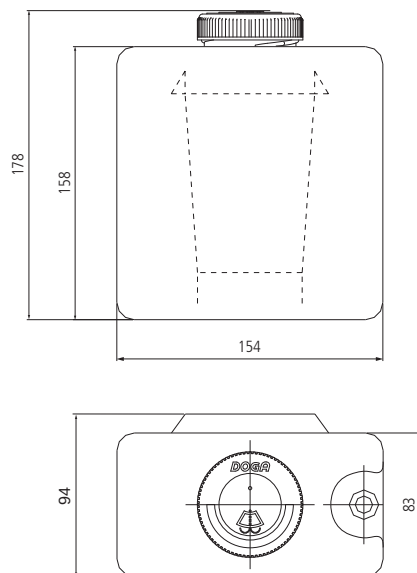


230-5115-39-00



230-5115-39-00

230-0009-04-09



TYP	num.	volts			REF.
D2	1	12	i3	-	231-1014-20-00
D2	1	24	i3	-	231-1014-30-00
D2	1	12	i2	-	231-1047-20-00
D2	1	12	i1	-	231-1054-20-00
D2	1	24	i1	-	231-1054-30-00

TYP	num.	volts			REF.
E1	1	12	i1	-	231-1018-20-00

EQUIPOS LAVAPARABRISAS - SISTEMI LAVACRISTALLI - WASHER SYSTEMS
ÉQUIPEMENTS LAVE-GLACE - SCHEIBENWASCHANLAGEN

1,75 L



230-5115-39-00

230-0007-04-00
230-0007-04-09

i1



i2



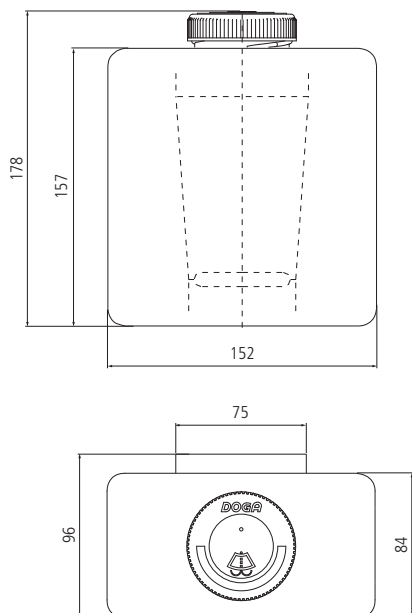
i3



i4



i5



1,75 L



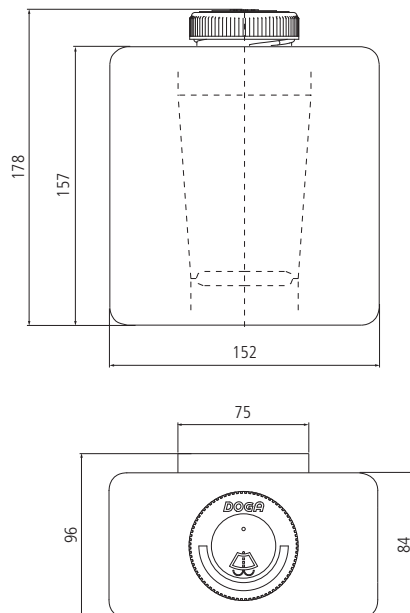
230-5116-39-00

230-0007-04-00
230-0007-04-09

i1



i2



TYP	num.	volts			REF.
D2	1	12	i1	-	231-1055-20-00
D2	1	24	i1	-	231-1055-30-00
D2	1	12	i2	-	231-1060-20-00
D2	2	12	i4	-	231-2010-20-00
D2	2	24	i4	-	231-2010-30-00
D2	2	12	i3	-	231-2024-20-00
D2	2	24	i3	-	231-2024-30-00
D2	2	12	i5	-	231-2026-20-00

TYP	num.	volts			REF.
D2	1	12	i1	-	231-1011-20-00
D2	2	12	i2	-	231-2005-20-00



230-0012-39-00



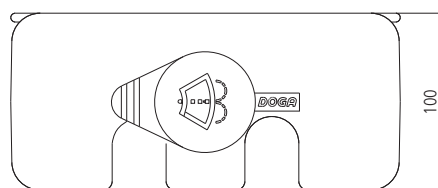
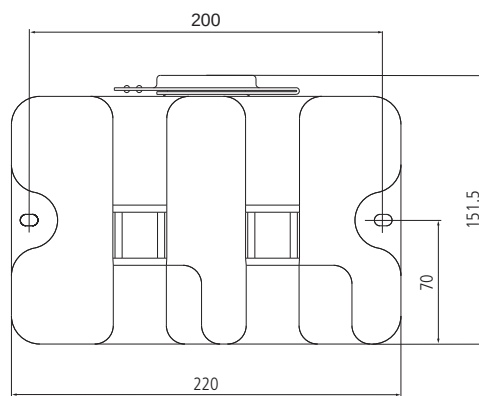
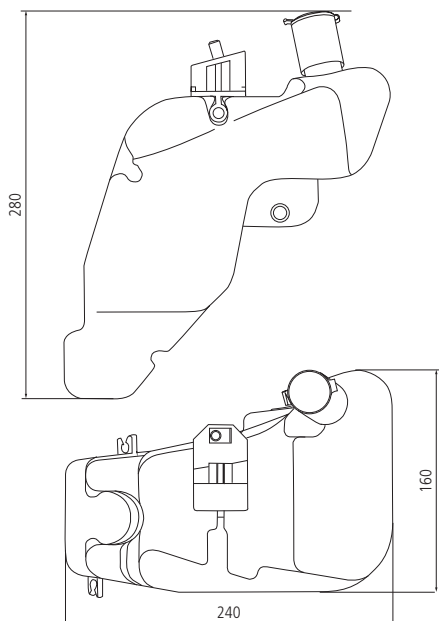
i1



i1



i2



TYP	num.	volts			REF.
E1	1	12	i1	-	232-1028-30-00
F1	1	12	i1	-	230-5042-20-00

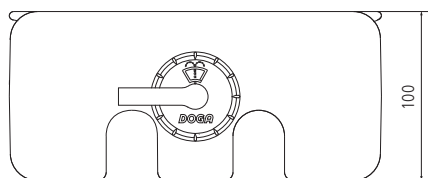
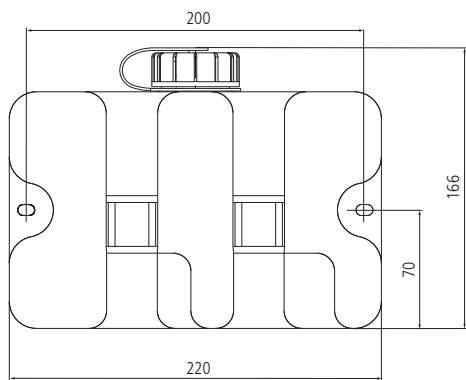
TYP	num.	volts			REF.
A1	1	12	i1	-	232-1001-20-00
A1	1	24	i1	-	232-1001-30-00
A1	1	12	i1	•	232-1003-20-00
A1	1	24	i1	•	232-1003-30-00
H3	1	12	i1	-	232-1071-20-00
H3	1	24	i1	-	232-1071-30-00
H3	1	12	i1	•	232-1072-20-00
H3	1	24	i1	•	232-1072-30-00
A1	2	12	i2	-	232-2001-20-00
A1	2	24	i2	-	232-2001-30-00
A1	2	12	i2	•	232-2002-20-00
A1	2	24	i2	•	232-2002-30-00

EQUIPOS LAVAPARABRISAS - SISTEMI LAVACRISTALLI - WASHER SYSTEMS
ÉQUIPEMENTS LAVE-GLACE - SCHEIBENWASCHANLAGEN

2,1 L



230-5024-39-00

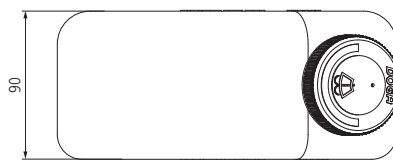
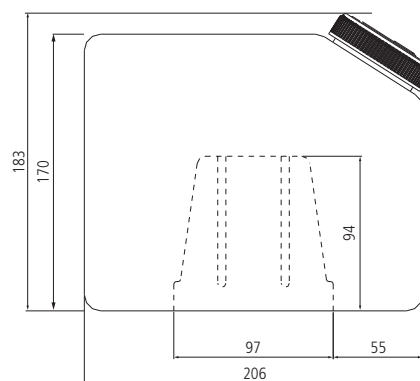


2,2 L



230-5115-39-00

230-0006-04-06
230-0006-04-09
230-5002-04-09



TYP	num.	volts			REF.
A1	1	12	i1	-	232-1032-20-00
A1	1	24	i1	-	232-1032-30-00
A1	1	12	i1	•	232-1033-20-00
A1	1	24	i1	•	232-1033-30-00
A4	1	12	i1	-	232-1042-20-00
A4	1	24	i1	-	232-1042-30-00
A1	2	24	i2	-	232-2032-30-00
A1	2	12	i2	•	232-2033-20-00
A1	2	24	i2	•	232-2033-30-00
A4	2	12	i2	-	232-2042-20-00
A4	2	24	i2	-	232-2042-30-00
G4	2	24	i2	•	232-2049-30-00
G1	2	12	i2	•	232-2051-20-00

TYP	num.	volts			REF.
D2	1	12	i4	-	232-1021-20-00
D2	1	24	i4	-	232-1021-30-00
D2	1	24	i1	-	232-1048-30-00 ¹⁻²
D2	1	12	i1	-	232-1070-20-00
D2	2	12	i3	-	232-2010-20-00
D2	2	12	i2	-	232-2015-20-00
D2	2	24	i2	-	232-2015-30-00
D2	2	12	i2	-	232-2044-20-00 ¹
D2	2	12	i2	-	232-2047-20-00 ¹
D2	3	12	i5	-	232-3002-20-00
D2	3	24	i5	-	232-3002-30-00

2,5 L



230-5115-39-00

3 L



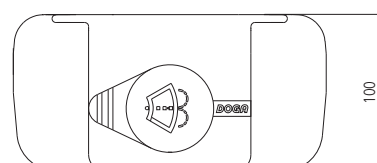
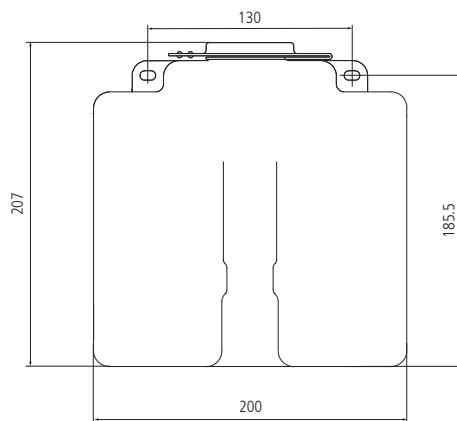
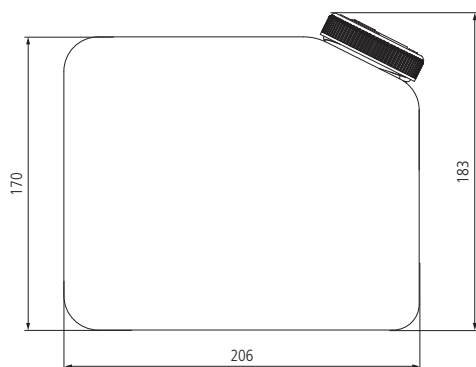
230-0012-39-00



i1



i1



TYP	num.	volts			REF.
D2	1	12	i1	-	232-1073-20-00
D2	1	24	i1	-	232-1073-30-00

1 TAPÓN CON VÁLVULA ANTIRRETORNO
TAPPO CON VALVOLA ANTIPERDITA
CAP WITH SEALING VALVE
BOUCHON AVEC VALVE ANTI RETOUR
VERSCHLUSSDECKEL MIT WASSERDICHTEN DRUCKAUSGLEICHVENTIL

2 TAPÓN NEGRO
TAPPO NERO
BLACK CAP WITH
BOUCHON NOIR
SCHWARZER VERSCHLUSSDECKEAL

TYP	num.	volts			REF.
A1	1	12	i1	-	233-1001-20-00
A1	1	24	i1	-	233-1001-30-00
A1	1	12	i1	•	233-1003-20-00
A1	1	24	i1	•	233-1003-30-00
H3	1	12	i1	-	233-1051-20-00
H3	1	24	i1	-	233-1051-30-00

EQUIPOS LAVAPARABRISAS - SISTEMI LAVACRISTALLI - WASHER SYSTEMS
ÉQUIPEMENTS LAVE-GLACE - SCHEIBENWASCHANLAGEN

3 L

Ø 48

PEHD

S

230-0012-39-00



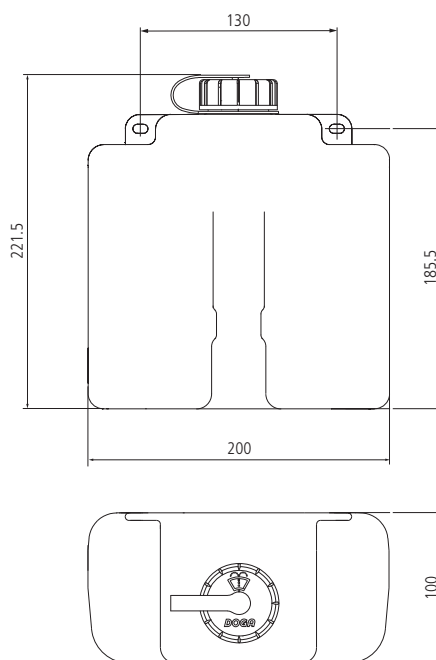
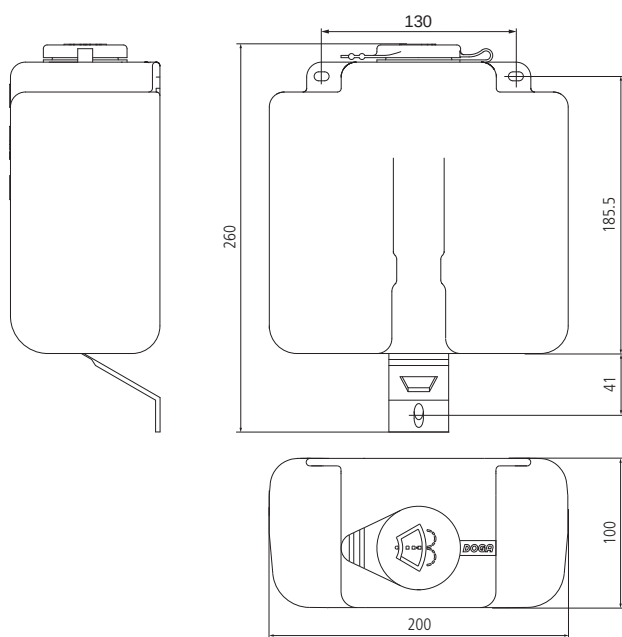
3 L

Ø 44

PEHD

S

230-5024-39-00



TYP	num.	volts			REF.
A1	1	12	i1		233-1022-20-00
A1	1	24	i1		233-1022-30-00
A1	1	12	i1	-	233-1023-20-00
A1	1	24	i1	-	233-1023-30-00
H3	1	12	i1	-	233-1052-20-00
H3	1	24	i1	-	233-1052-30-00

TYP	num.	volts			REF.
A1	1	12	i1	-	233-1024-20-00
A1	1	24	i1	-	233-1024-30-00
A1	1	12	i1		233-1025-20-00
A1	1	24	i1		233-1025-30-00
G4	1	12	i1	-	233-1036-20-00
G4	1	12	i1		233-1041-20-00

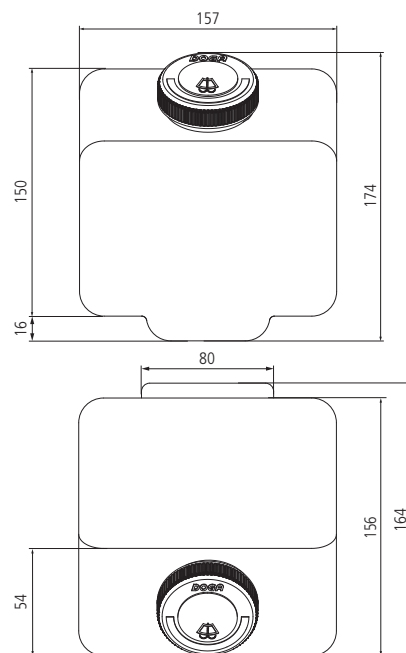
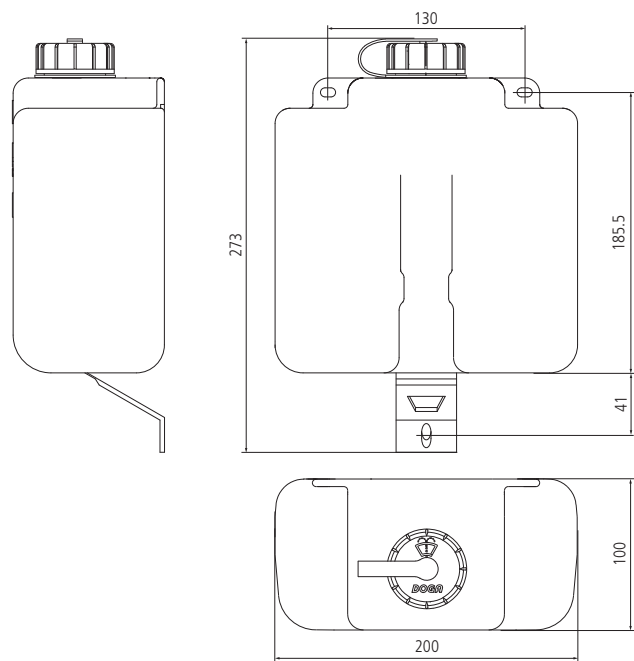


230-5024-39-00



230-5115-39-00

230-0005-04-00
230-0005-04-09



TYP	num.	volts			REF.
A1	1	12	i1	•	233-1026-20-00
A1	1	24	i1	•	233-1026-30-00
A1	1	12	i1	-	233-1027-20-00
A1	1	24	i1	-	233-1027-30-00
H4	1	12	i1	-	233-1053-20-00

TYP	num.	volts			REF.
D2	1	24	i1	-	233-1018-30-00
D2	1	24	i1	-	233-1021-30-00
D2	2	12	i2	-	233-2025-20-001
D2	2	12	i3	-	233-2003-20-00
D2	2	24	i3	-	233-2003-30-00
D2	2	12	i4	-	233-2022-20-00

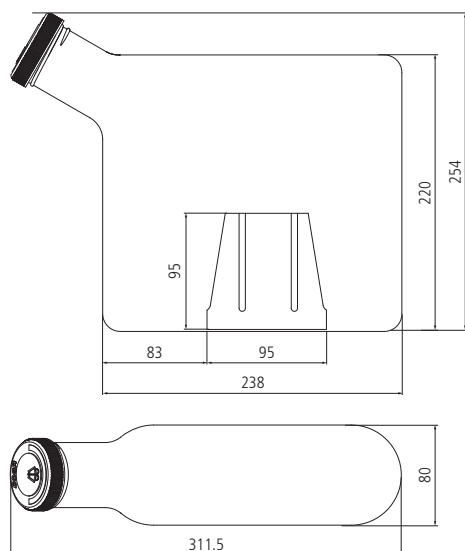
EQUIPOS LAVAPARABRISAS - SISTEMI LAVACRISTALLI - WASHER SYSTEMS
ÉQUIPEMENTS LAVE-GLACE - SCHEIBENWASCHANLAGEN

3,2 L



230-5116-39-00

230-0006-04-00
230-0006-04-09
230-5002-04-09

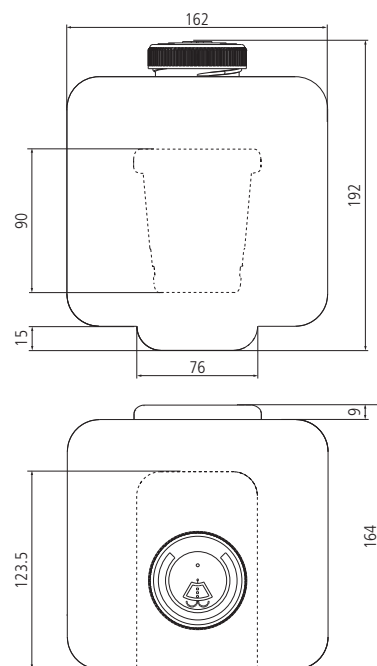
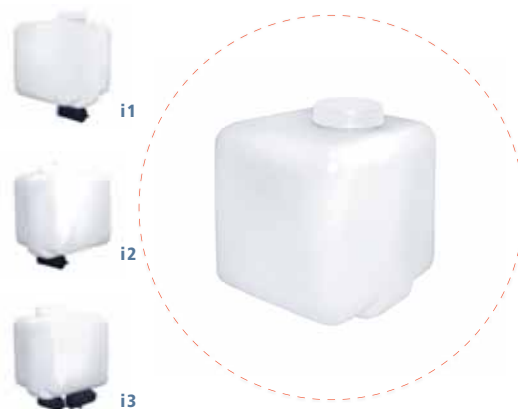


3,5 L



230-5115-39-00

230-0005-04-00
230-0005-04-09



TYP	num.	volts			REF.
D2	1	12	i1	-	233-1054-20-00
D2	1	24	i1	-	233-1054-30-00
D2	1	12	i6	-	233-1034-20-00
D2	2	24	i2	-	233-2005-30-00
H3	2	24	i2	-	233-2020-30-00
A4	2	24	i5	-	233-2021-30-00
D2	3	24	i3	-	233-3000-30-00
D2	4	24	i4	-	233-4000-30-00

TYP	num.	volts			REF.
D2	1	12	i2	-	233-1055-20-00
D2	1	24	i2	-	233-1055-30-00
D2	1	12	i1	-	233-1005-20-00
D2	1	24	i1	-	233-1005-30-00
D2	2	12	i3	-	233-2026-20-00
D2	2	24	i3	-	233-2026-30-00



230-5116-39-00

230-0005-04-00
230-0005-04-09



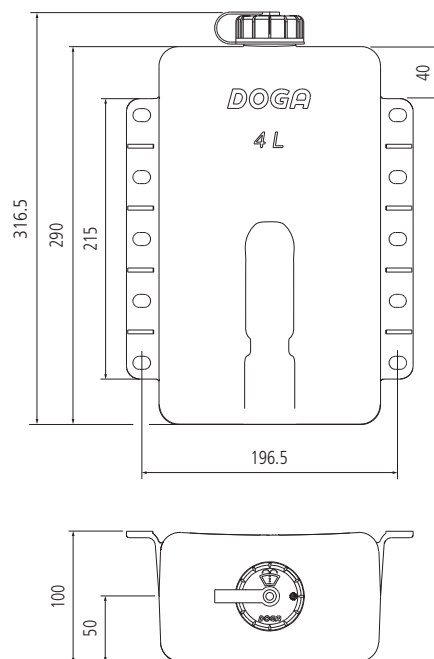
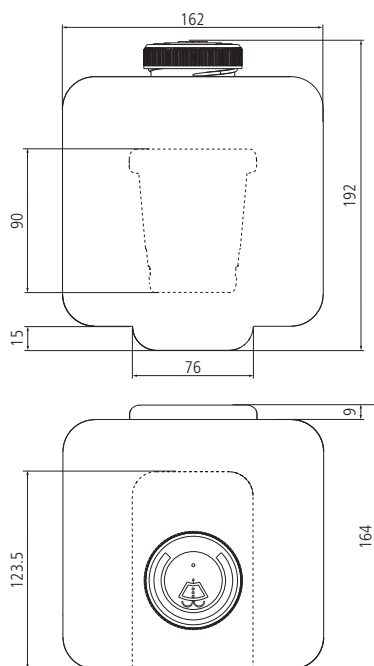
230-5024-39-00



i1



i1



TYP	num.	volts	i1	-	REF.
D2	1	12	i1	-	233-1010-20-00
D2	1	24	i1	-	233-1010-30-00

TYP	num.	volts	i1	-	REF.
A1	1	12	i1	-	234-1005-20-00
A1	1	24	i1	-	234-1005-30-00

EQUIPOS LAVAPARABRISAS - SISTEMI LAVACRISTALLI - WASHER SYSTEMS
ÉQUIPEMENTS LAVE-GLACE - SCHEIBENWASCHANLAGEN

5 L

Ø 56

PEHD
anti U.V.

S

230-5115-39-00



i1



5 L

Ø 56

PEHD
anti U.V.

S

230-5115-39-00



i1



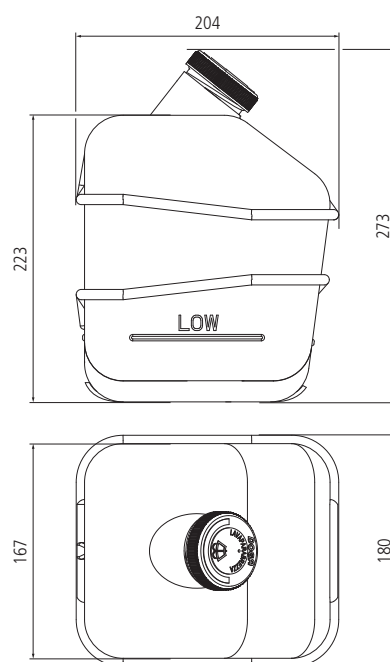
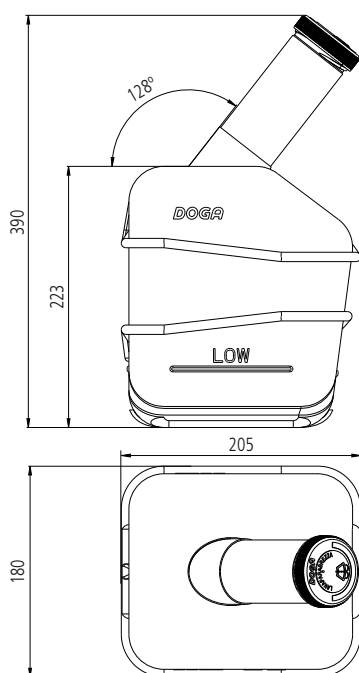
i2



i3



i4



TYP	num.	volts			REF.
D2	3	24	i1	-	235-3014-30-00

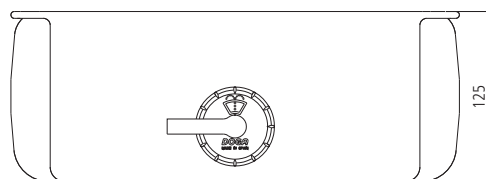
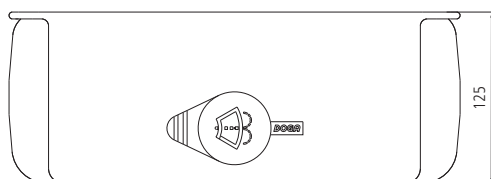
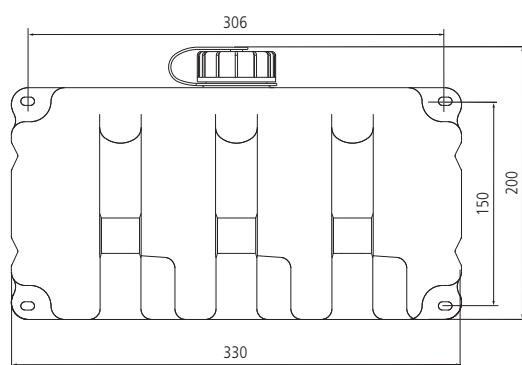
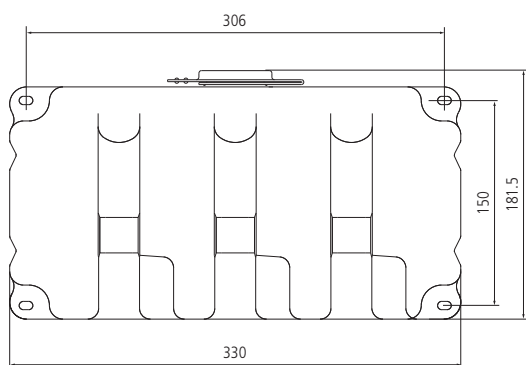
TYP	num.	volts			REF.
D2	1	24	i1	-	235-1021-30-00
D2	2	24	i3	-	235-2007-30-00
D2	2	24	i2	-	235-2011-30-00
D2	3	12	i4	-	235-3004-20-00



230-0012-39-00



230-5024-39-00



TYP	num.	volts			REF.
G1	1	12	i1	-	235-1001-20-00
G1	1	24	i1	-	235-1001-30-00
G1	1	12	i1	•	235-1002-20-00
G1	1	24	i1	•	235-1002-30-00
H3	1	12	i1	-	235-1006-20-00
H3	1	24	i1	-	235-1006-30-00
H3	1	12	i1	•	235-1007-20-00
H3	1	24	i1	•	235-1007-30-00
G4	1	24	i1	-	235-1045-30-00
G1	2	12	i3	-	235-2001-20-00
G1	2	24	i3	-	235-2001-30-00
G1	2	12	i2	•	235-2002-20-00
G1	2	24	i2	•	235-2002-30-00
G1	3	12	i4	-	235-3001-20-00
G1	3	24	i4	-	235-3001-30-00

TYP	num.	volts			REF.
G1	1	12	i1	-	235-1003-20-00
G1	1	24	i1	-	235-1003-30-00
G1	1	12	i1	•	235-1004-20-00
G1	1	24	i1	•	235-1004-30-00
G1	1	24	i1	•	235-1033-30-00 ¹
G4	1	24	i1	•	235-1041-30-00
G1	2	12	i3	-	235-2003-20-00
G1	2	24	i3	-	235-2003-30-00
A1	2	12	i2	•	235-2004-20-00
G1	2	24	i2	•	235-2004-30-00
H3	2	24	i3	-	235-2034-30-00
G1	3	12	i4	-	235-3003-20-00
G1	3	24	i4	-	235-3003-30-00

1 ANTI U.V.

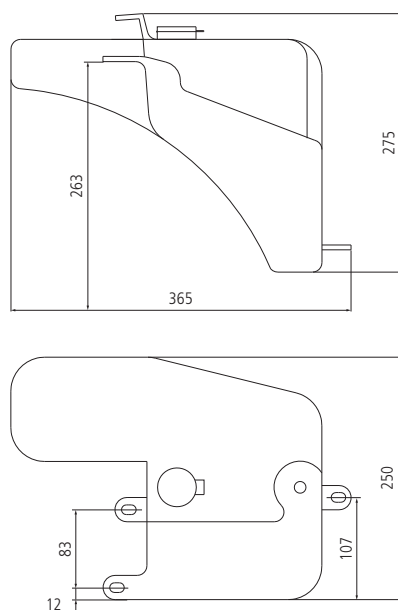
EQUIPOS LAVAPARABRISAS - SISTEMI LAVACRISTALLI - WASHER SYSTEMS
ÉQUIPEMENTS LAVE-GLACE - SCHEIBENWASCHANLAGEN

5,8 L

Ø 32

PEHD

S



TYP	num.	volts			REF.
E1	1	12	i1	-	235-1013-20-00
F1	1	12	i1	-	235-1014-20-00

5,8 L

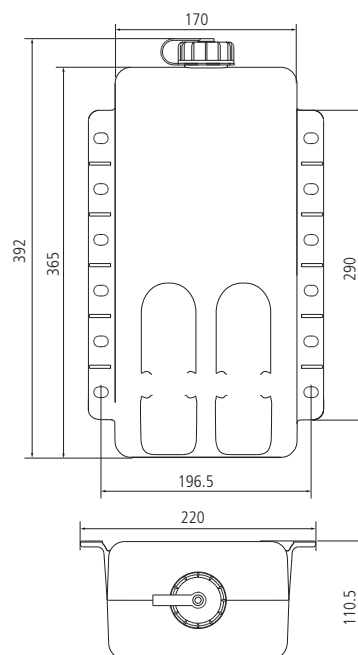
Ø 44

PEHD

S



230-5024-39-00



TYP	num.	volts			REF.
A1	1	12	i1	-	235-1032-20-00
A1	1	24	i1	-	235-1032-30-00
A1	1	24	i2	-	235-1038-30-00
A4	1	12	i1	-	235-1044-20-00
G4	1	24	i2	-	235-1050-30-00
A4	1	24	i2	-	235-1051-30-00
G4	1	24	i1	-	235-1053-30-00
A1	2	12	i3	-	235-2032-20-00
A1	2	24	i3	-	235-2032-30-00
A1	2	12	i3	•	235-2033-20-00
A1	2	24	i3	•	235-2033-30-00

5,8 L



230-5024-39-00

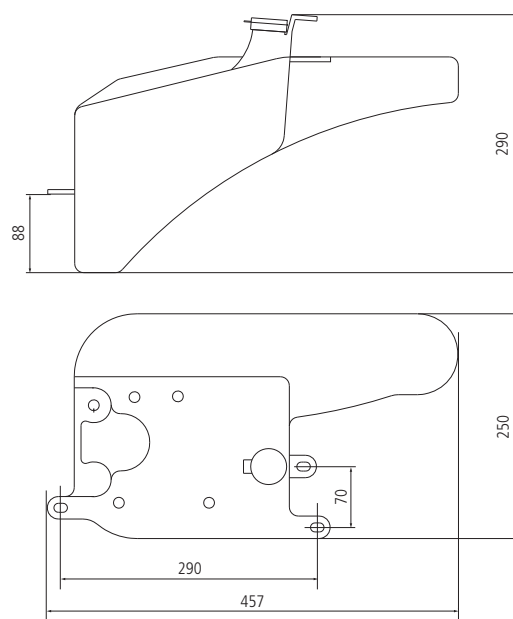
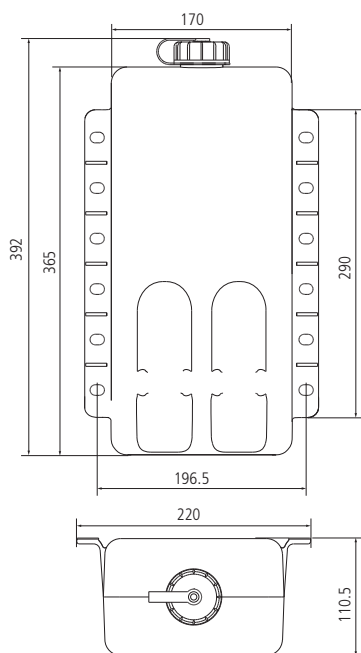
6,3 L



i1



i1



TYP	num.	volts			REF.
A4	1	24	i1	•	235-1043-30-00
G1	1	24	i1	•	235-1048-30-02

TYP	num.	volts			REF.
E1	1	12	i1	•	236-1001-20-00
E1	1	12	i1	-	236-1002-20-00

EQUIPOS LAVAPARABRISAS - SISTEMI LAVACRISTALLI - WASHER SYSTEMS
ÉQUIPEMENTS LAVE-GLACE - SCHEIBENWASCHANLAGEN

6,6 L

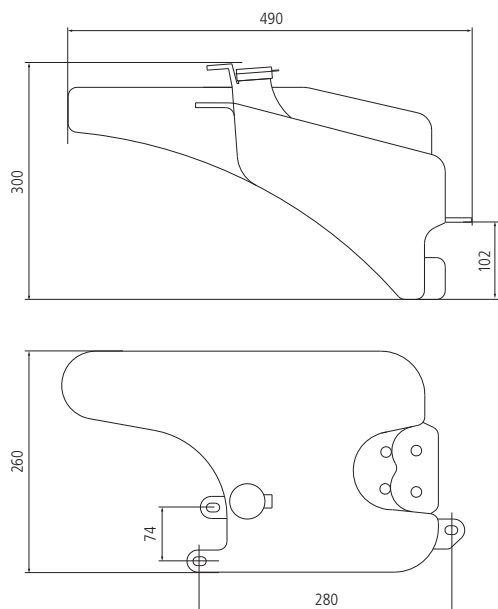
Ø 32

PEHD

S



i1



7 L

Ø 46

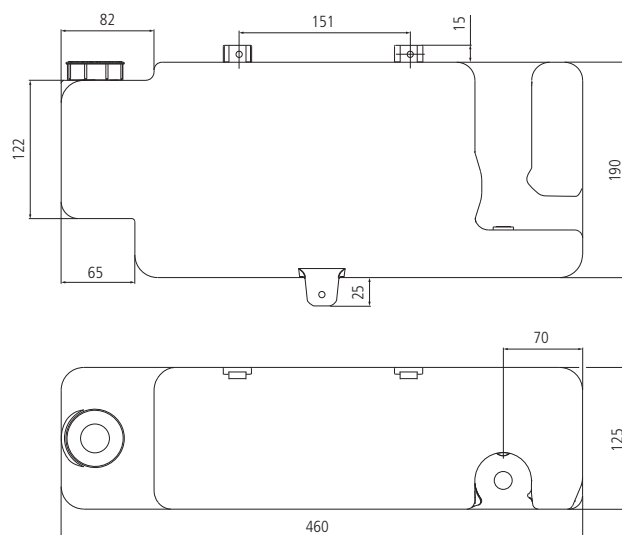
PEHD

S

410-5003-39-00



i1



TYP	num.	volts	i1	-	REF.
E1	2	12	i1	-	236-2001-20-00

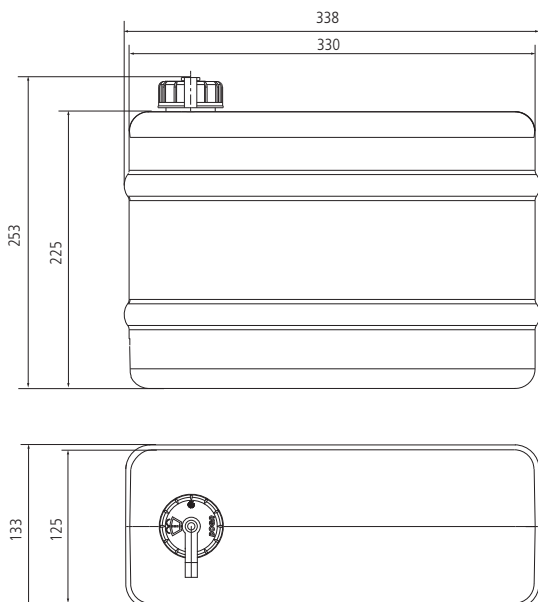
TYP	num.	volts	i1	-	REF.
F1	1	12	i1	-	237-1003-20-00
F1	1	24	i1	-	237-1003-30-00



230-5024-39-00



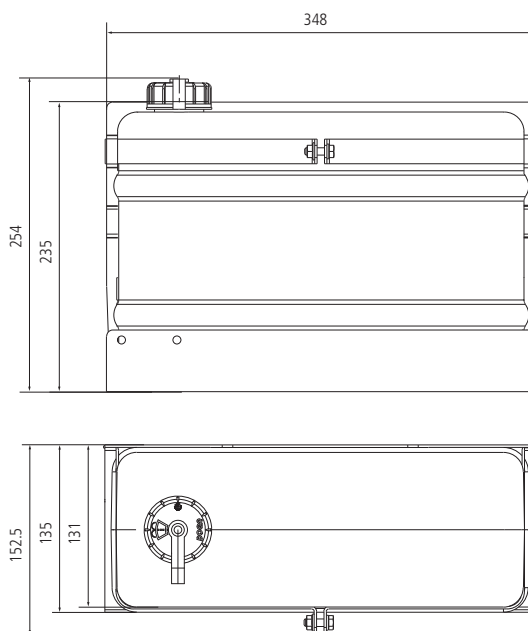
i1



230-5024-39-00



i1



TYP	num.	volts			REF.
A1	1	24	i1	-	238-1014-30-00
A4	1	24	i1	•	238-1025-30-00 *

TYP	num.	volts			REF.
A1	2	24	i1	•	230-5010-30-00

* PP UL 94 (ANTIFIRE MATERIAL)

EQUIPOS LAVAPARABRISAS - SISTEMI LAVACRISTALLI - WASHER SYSTEMS
ÉQUIPEMENTS LAVE-GLACE - SCHEIBENWASCHANLAGEN

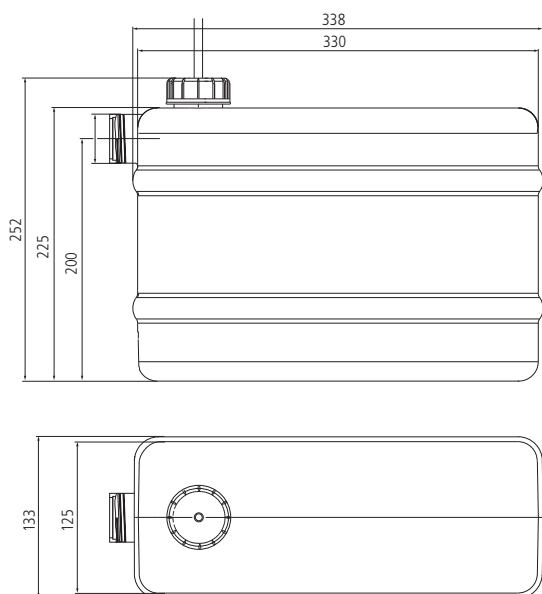
8,7 L



230-5161-39-00



i1



9,7 L



230-0012-39-00



i1



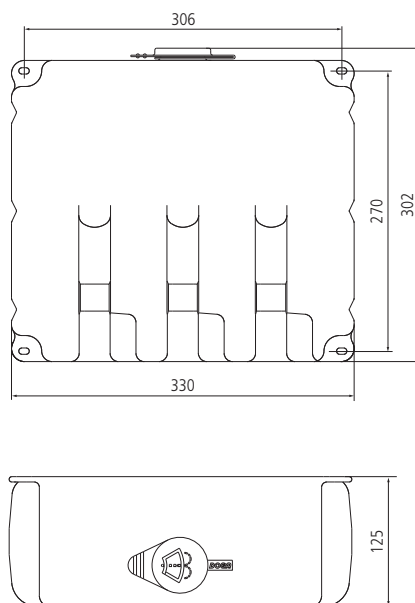
i2



i3



i4

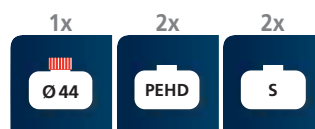
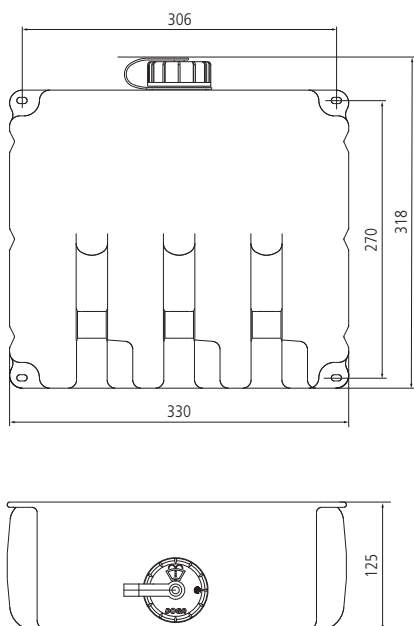


TYP	num.	volts			REF.
A4	2	24	i1	•	238-2021-30-00
A4	2	24	i1	•	238-2027-30-00

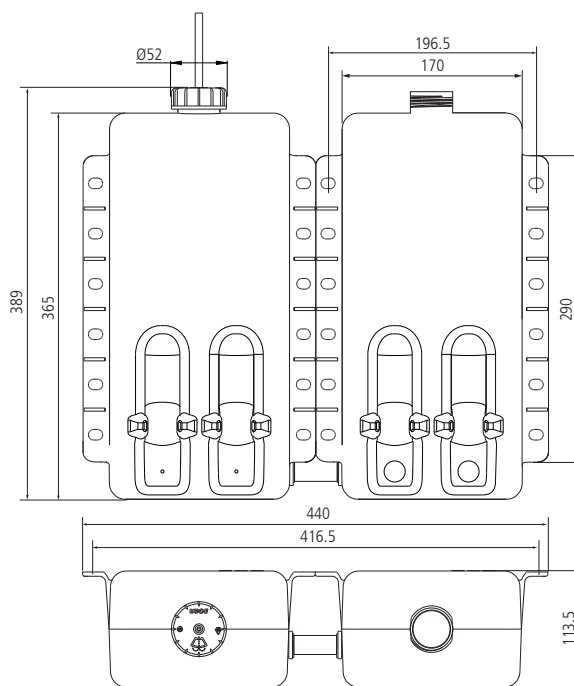
TYP	num.	volts			REF.
A1	1	12	i1	-	238-1001-20-00
A1	1	24	i1	-	238-1001-30-00
A1	1	12	i1	•	238-1002-20-00
A1	1	24	i1	•	238-1002-30-00
H3	1	12	i1	-	238-1031-20-00
H3	1	24	i1	-	238-1031-30-00
H3	1	12	i1	•	238-1032-20-00
H3	1	24	i1	•	238-1032-30-00
A1	2	12	i3	-	238-2001-20-00
A1	2	24	i3	-	238-2001-30-00
A1	2	12	i2	•	238-2002-20-00
A1	2	24	i2	•	238-2002-30-00
A1	3	12	i4	-	238-3001-20-00
A1	3	24	i4	-	238-3001-30-00



230-5024-39-00



230-5161-39-00



TYP	num.	volts			REF.
A1	1	12	i1	-	238-1003-20-00
A1	1	24	i1	-	238-1003-30-00
A1	1	12	i1	•	238-1004-20-00
A1	1	24	i1	•	238-1004-30-00
A1	1	12	i5	-	238-1019-20-00
A1	1	24	i5	-	238-1019-30-00
A1	2	12	i3	-	238-2003-20-00
A1	2	24	i3	-	238-2003-30-00
A1	2	12	i2	•	238-2004-20-00
A1	2	24	i2	•	238-2004-30-00
A4	2	12	i3	-	238-2019-20-00
A4	2	24	i3	-	238-2019-30-00
A1	3	12	i4	-	238-3003-20-00
A1	3	24	i4	-	238-3003-30-00

TYP	num.	volts			REF.
A4	2	12	i1	-	230-5064-20-00
A4	2	24	i1	-	230-5064-30-00

EQUIPOS LAVAPARABRISAS - SISTEMI LAVACRISTALLI - WASHER SYSTEMS
ÉQUIPEMENTS LAVE-GLACE - SCHEIBENWASCHANLAGEN

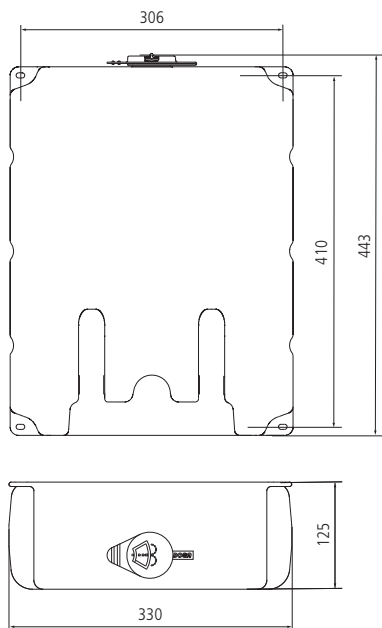
15 L

Ø 48

PEHD

S

230-0012-39-00



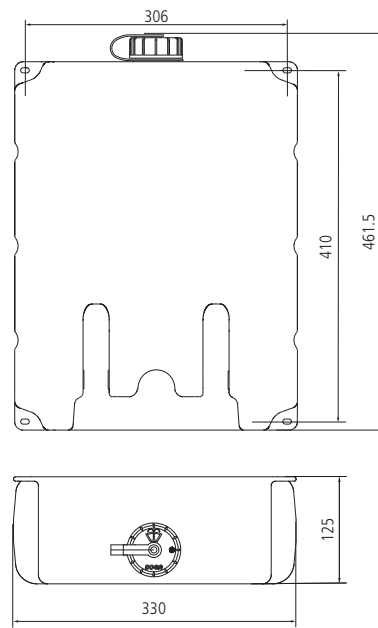
15 L

Ø 44

PEHD

S

230-5024-39-00



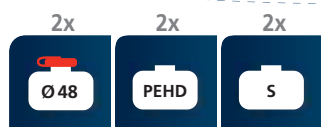
TYP	num.	volts			REF.
A1	1	12	i1	-	239-1001-20-00
A1	1	24	i1	-	239-1001-30-00
A1	1	12	i1	•	239-1002-20-00
A1	1	24	i1	•	239-1002-30-00
A1	2	12	i3	-	239-2001-20-00
A1	2	24	i3	-	239-2001-30-00
A1	2	12	i2	•	239-2002-20-00
A1	2	24	i2	•	239-2002-30-00

TYP	num.	volts			REF.
A1	1	12	i1	-	239-1003-20-00
A1	1	24	i1	-	239-1003-30-00
A1	1	12	i1	•	239-1004-20-00
A1	1	24	i1	•	239-1004-30-00
A1	2	12	i3	-	239-2003-20-00
A1	2	24	i3	-	239-2003-30-00
A1	2	12	i2	•	239-2004-20-00
A1	2	24	i2	•	239-2004-30-00

EQUIPOS LAVAPARABRISAS - SISTEMI LAVACRISTALLI - WASHER SYSTEMS
ÉQUIPEMENTS LAVE-GLACE - SCHEIBENWASCHANLAGEN

SYSTEMS

19,4 L
(2x 9,7)



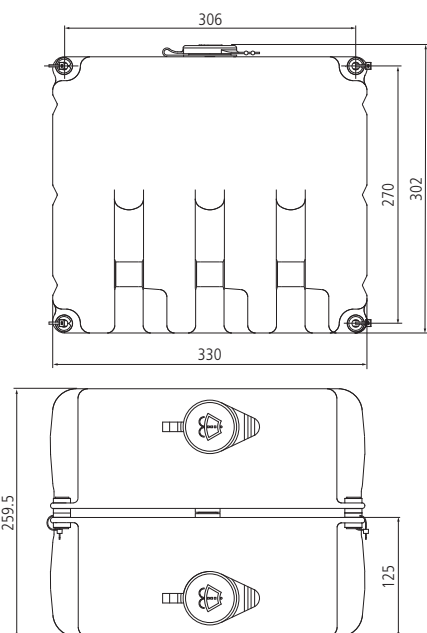
230-0012-39-00



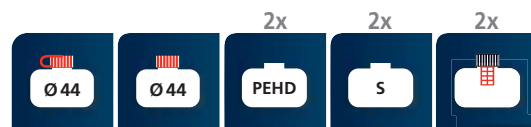
i1 A



i1 B



19,4 L
(2x 9,7)



230-5024-39-00 230-5161-39-00



i1 A



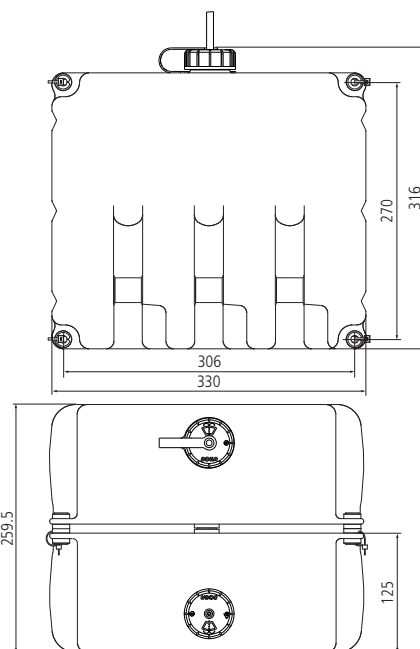
i1 B



i2 A



i2 B



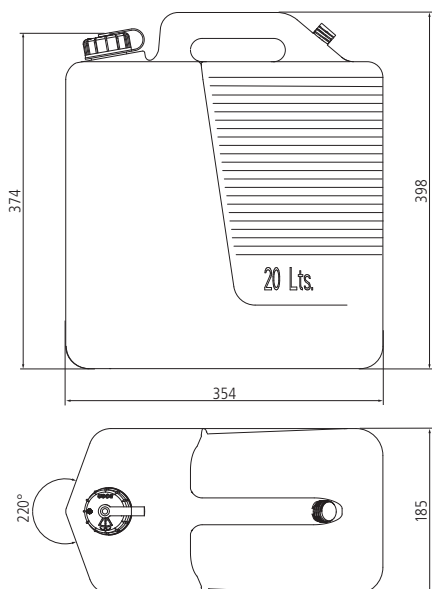
TYP	num.	volts		REF.
A1	2	24	i1	230-5009-30-00

TYP	num.	volts		REF.
G1	2	24	i2	230-5066-30-00
G4	2	24	i1	230-5077-30-00

20 L



230-5024-39-00



TYP	num.	volts	i1	i2	REF.
A1	1	24	i1	-	239-1010-30-00 ¹
G4	1	24	i1	-	239-1019-30-00
G4	2	24	i2	-	239-2019-30-00

¹ CONECTOR AMP+JPT - CONNETTORE AMP+JPT - AMP+JPT CONNECTOR
CONNECTEUR AMP+JPT - AMP+JPT ANSCHLUSS

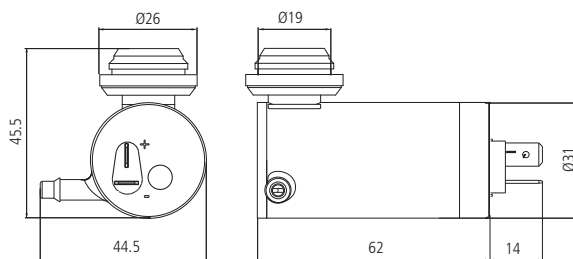
TYP
D

INTEGRADA - INTEGRATA - INTEGRAL - INTEGRÉE - INTEGRIERT

D2



JUNTA INCLÚIDA - GUARNIZIONE INCLUSA - JOINT INCLUDED - JOINT INCLUS - INKLUSIVE DICHTUNG



(mm)

201-0007-20-00
(12 V)

201-0007-30-00
(24 V)

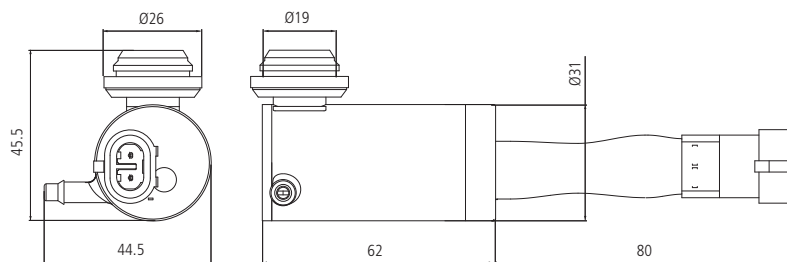
AMP 2

IP 54

D3



JUNTA INCLÚIDA - GUARNIZIONE INCLUSA - JOINT INCLUDED - JOINT INCLUS - INKLUSIVE DICHTUNG



(mm)

201-0040-20-00
(12 V)

201-0040-30-00
(24 V)

PACKARD

IP 54

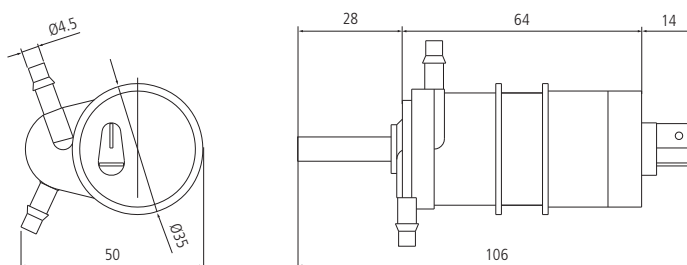
TYP
E

VERTICAL DOBLE GIRO - VERTICALE BIDIREZIONALE - VERTICAL BIDIRECTIONAL
VERTICAL BIDIRECTIONNEL - SENKRECHT UND MIT ZWEI DREHTICHTUNGEN

E1



JUNTA INCLÚIDA - GUARNIZIONE INCLUSA - JOINT INCLUDED - JOINT INCLUS - INKLUSIVE DICHTUNG



(mm)

201-0009-20-00
(12 V)

201-0009-30-00
(24 V)

AMP 2

IP 54

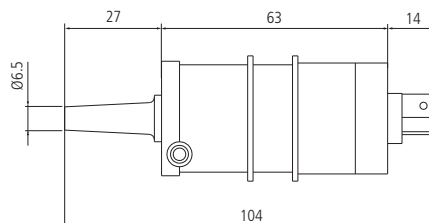
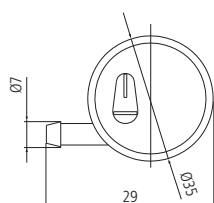
BOMBAS - ELETTROPOMPE - PUMPS POMPES - PUMPEN

**TYP
F**

VERTICAL - VERTICALE - VERTICAL - VERTICAL - SENKRECHT

F1


JUNTA INCLUIDA - GUARNIZIONE INCLUSA - JOINT INCLUDED - JOINT INCLUS - INKLUSIVE DICHTUNG



(mm)

201-0010-20-00
(12 V)

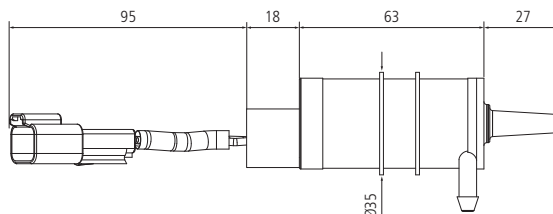
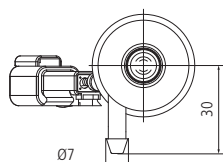
201-0010-30-00
(24 V)

AMP 2

IP 54

F2


JUNTA INCLUIDA - GUARNIZIONE INCLUSA - JOINT INCLUDED - JOINT INCLUS - INKLUSIVE DICHTUNG



(mm)

201-0050-20-00
(12 V)

201-0050-30-00
(24 V)

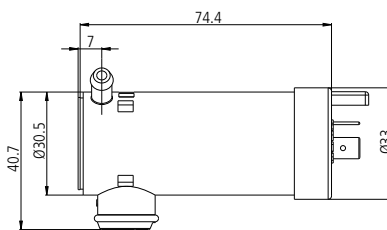
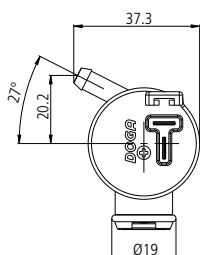
DEUTSCH

IP 54

**TYP
G**

INTEGRADA - INTEGRATA - INTEGRAL - INTEGRÉE - INTEGRIERT

G1

 FILTRO INTEGRADO - FILTRO INTEGRATO - INTEGRATED FILTER - FILTRE INTÉGRÉ - INTEGRIERTER FILTER
JUNTA INCLUIDA - GUARNIZIONE INCLUSA - JOINT INCLUDED - JOINT INCLUS - INKLUSIVE DICHTUNG


(mm)

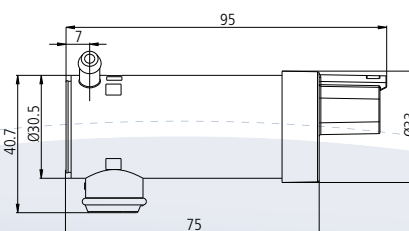
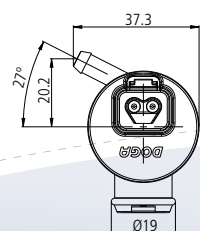
201-0083-20-00
(12 V)

201-0083-30-00
(24 V)

AMP 2

IP 54

G4

 FILTRO INTEGRADO - FILTRO INTEGRATO - INTEGRATED FILTER - FILTRE INTÉGRÉ - INTEGRIERTER FILTER
JUNTA INCLUIDA - GUARNIZIONE INCLUSA - JOINT INCLUDED - JOINT INCLUS - INKLUSIVE DICHTUNG


(mm)

201-0081-20-00
(12 V)

201-0081-30-00
(24 V)

DEUTSCH

IP 54

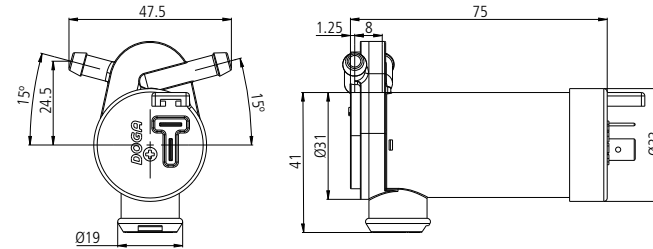
TYP
H

DOBLE GIRO INTEGRADA - INTEGRATA BIDIREZIONALE - INTEGRAL BIDIRECTIONAL
INTÉGRÉE BIDIRECTIONNEL - INTEGRIERT UND MIT ZWEI DREHTICHTUNGEN

H3



CON MEMBRANA - WITH MEMBRANE - AVEC MEMBRANE - MIT MEMBRAN
FILTRO INTEGRADO - FILTRO INTEGRATO - INTEGRATED FILTER - FILTRE INTÉGRÉ - INTEGRIERTER FILTER
JUNTA INCLUIDA - GUARNIZIONE INCLUSA - JOINT INCLUDED - JOINT INCLUS - INKLUSIVE DICHTUNG



(mm)

201-0095-20-00
(12 V)

201-0095-30-00
(24 V)

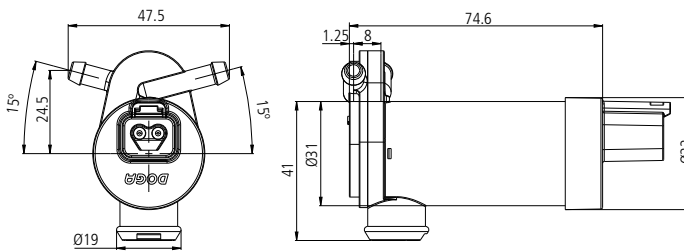
AMP 2

IP 54

H4



CON MEMBRANA - WITH MEMBRANE - AVEC MEMBRANE - MIT MEMBRAN
FILTRO INTEGRADO - FILTRO INTEGRATO - INTEGRATED FILTER - FILTRE INTÉGRÉ - INTEGRIERTER FILTER
JUNTA INCLUIDA - GUARNIZIONE INCLUSA - JOINT INCLUDED - JOINT INCLUS - INKLUSIVE DICHTUNG



(mm)

201-0097-20-00
(12 V)

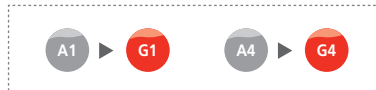
201-0097-30-00
(24 V)

DEUTSCH

IP 54

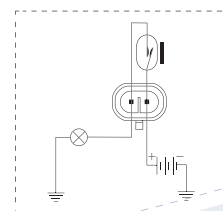
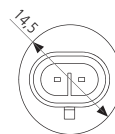
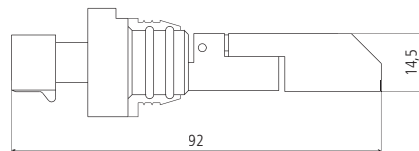
A1 A4 p. 52

PRÓXIMAMENTE - SHORTLY - A BREVE - PROCHAINEMENT - IN KÜRZE



INDICADOR DE NIVEL - INDICATORE DI LIVELLO - LEVEL INDICATOR
INDICATEUR DE NIVEAUX - FÜLLSTANDANZEIGE

JUNTA INCLUIDA - GUARNIZIONE INCLUSA - JOINT INCLUDED - JOINT INCLUS - INKLUSIVE DICHTUNG



(mm)

100-5061-39-00

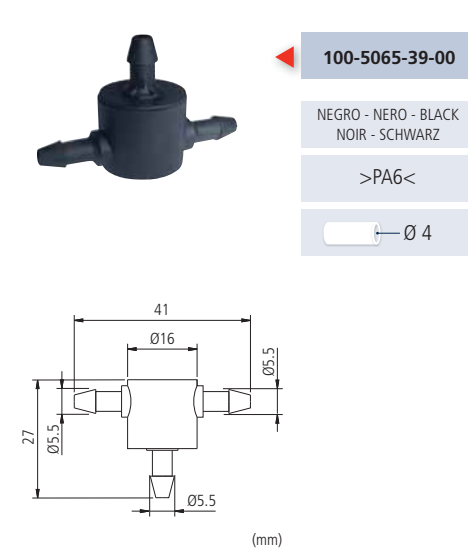
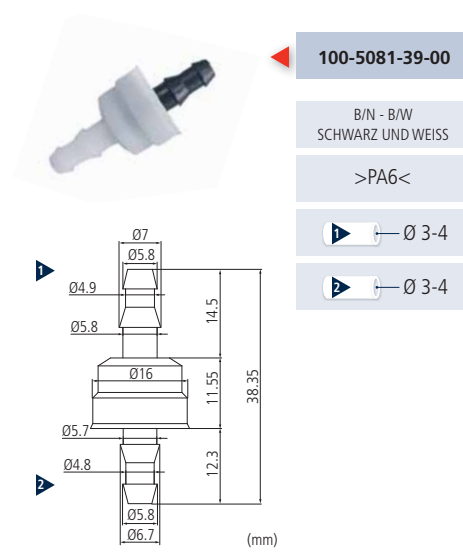
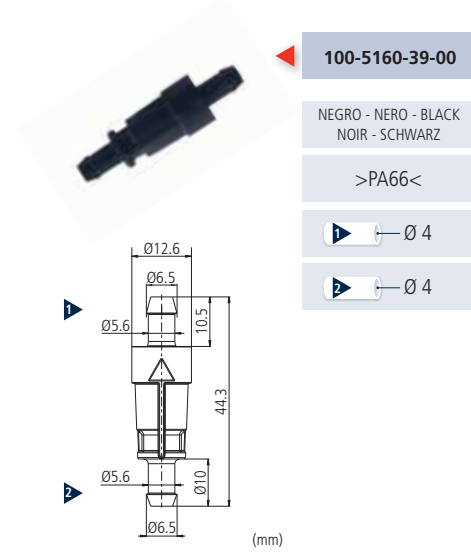
12 / 24 V

AMP Superseal
1,5 Series

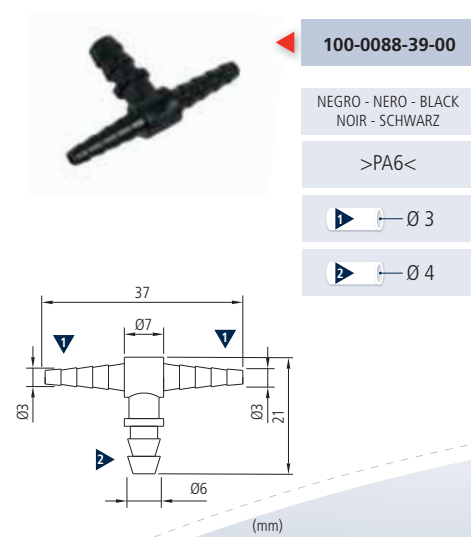
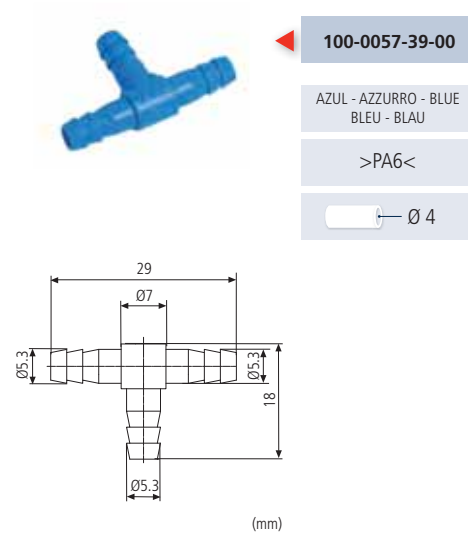
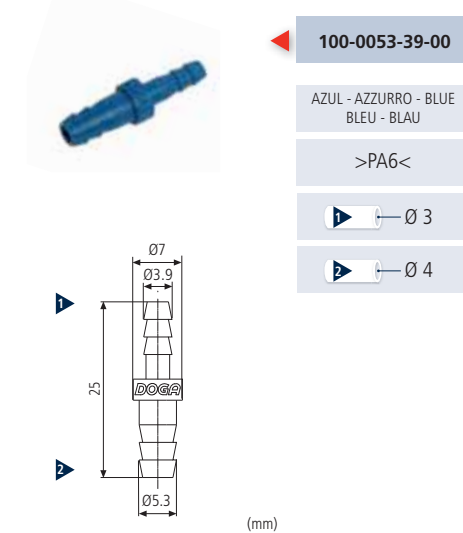
IP 67

ACCESORIOS - ACCESSORI - ACCESSORIES
ACCESSOIRES - ZUBEHÖR

VÁLVULAS ANTIRRETORNO - VALVOLA DI NON RITORNO - CHECK VALVE - VALVE ANTI-RETOUR - RÜCKSCHLAGVENTIL



CONECTORES - RACCORDI - CONNECTORS - CONNECTEURS - ANSCHLÜSSEN



TUBOS - TUBI - HOSES - TUBES - SCHLAUCHEN



100-0007-39-00
(1m)

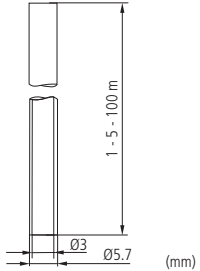
100-0017-39-00
(5m)

100-0047-39-00
(100m)

NEGRO - NERO - BLACK
NOIR - SCHWARZ

>EPDM<

Ø 3



(mm)



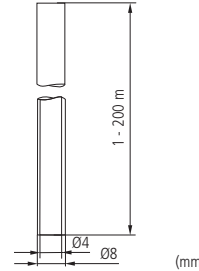
100-0100-39-00
(1m)

100-0101-39-00
(200m)

NEGRO - NERO - BLACK
NOIR - SCHWARZ

>EPDM<

Ø 4



(mm)



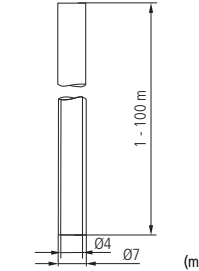
100-0102-39-00
(1m)

100-0103-39-00
(100m)

NEGRO - NERO - BLACK
NOIR - SCHWARZ

>PVC<

Ø 4



(mm)



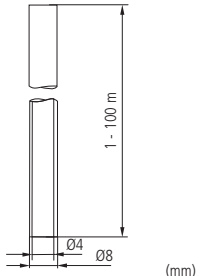
100-0104-39-00
(1m)

100-0105-39-00
(100m)

BLANCO
BIANCO
WHITE
BLANC
WEISS

>PVC<

Ø 4



(mm)



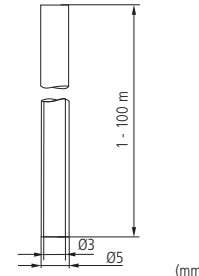
100-0090-39-00
(1m)

100-0096-39-00
(100m)

AZUL TRANSPARENTE
AZZURRO TRASPARENTE
BLUE CLEAR
BLEU TRANSPARENT
BLAU

>PVC<

Ø 3



(mm)



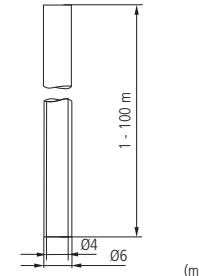
100-0091-39-00
(1m)

100-0097-39-00
(100m)

AZUL TRANSPARENTE
AZZURRO TRASPARENTE
BLUE CLEAR
BLEU TRANSPARENT
BLAU

>PVC<

Ø 4



(mm)

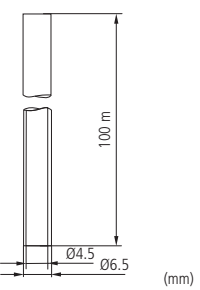


100-0224-39-00
(100m)

NEGRO - NERO - BLACK
NOIR - SCHWARZ

>PVC<

Ø 4.5



(mm)



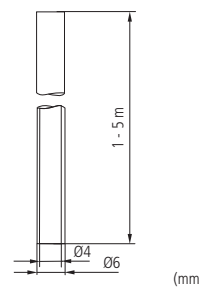
100-0061-39-00
(1m)

100-0062-39-00
(5m)

TRANSPARENTE
TRANSPARENTE
CLEAR
TRANSPARENT
DURCHSICHTIG

>PVC<

Ø 4



(mm)

ACCESORIOS - ACCESSORI - ACCESSORIES ACCESSOIRES - ZUBEHÖR

PASATUBOS - PASSATUBI - GROMMET - PASSE-FIL - TÜLLE

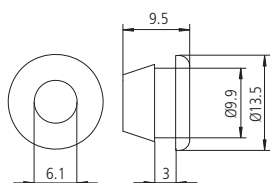


100-0063-39-00

NEGRO - NERO - BLACK
NOIR - SCHWARZ

>PVC<

Ø 6 max.



(mm)

PASAMUROS - PASSAMURI - CONNECTOR - TRAVERSÉE DE CLOISON - DURCHFÜHRUNGSTÜCK

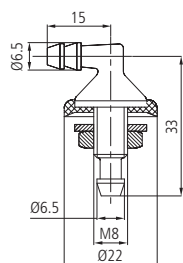


100-5026-39-00

NEGRO - NERO - BLACK
NOIR - SCHWARZ

>PA6<

Ø 3-4

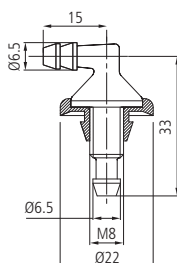


100-5063-39-00

NEGRO - NERO - BLACK
NOIR - SCHWARZ

>PA6<

Ø 3-4

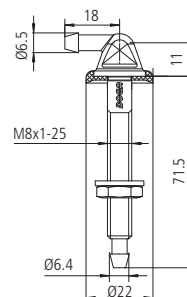


100-5053-39-00

NEGRO - NERO - BLACK
NOIR - SCHWARZ

>PA6<

Ø 3-4

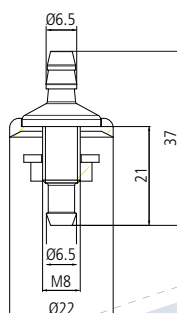


100-5188-39-00

NEGRO - NERO - BLACK
NOIR - SCHWARZ

>PA6<

Ø 3-4

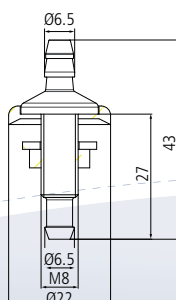


100-5189-39-00

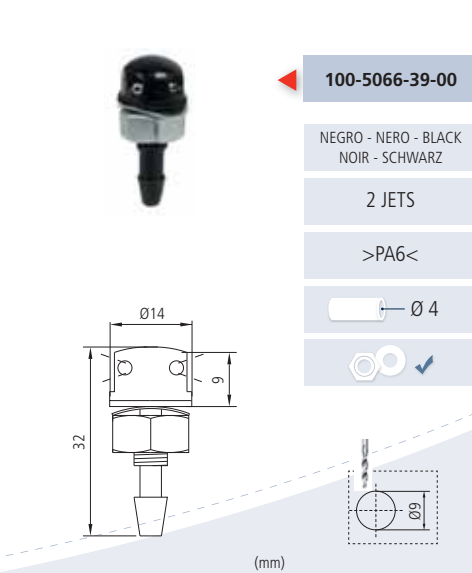
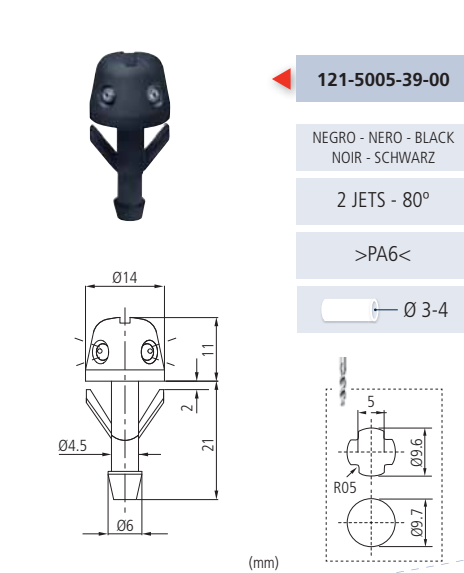
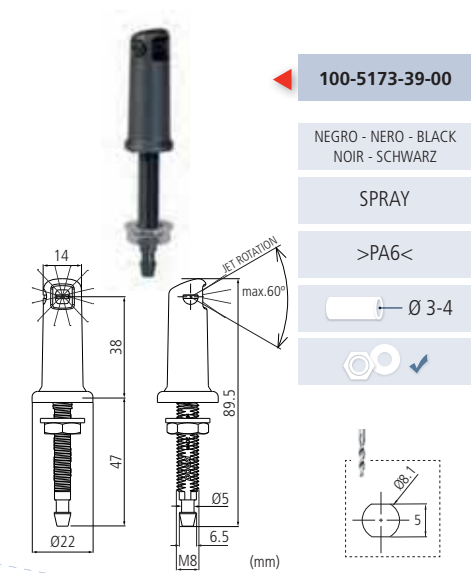
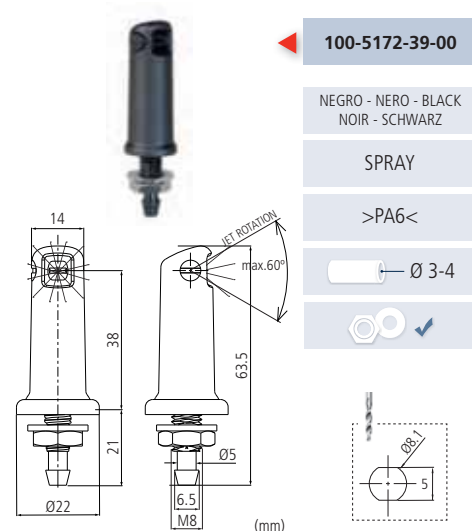
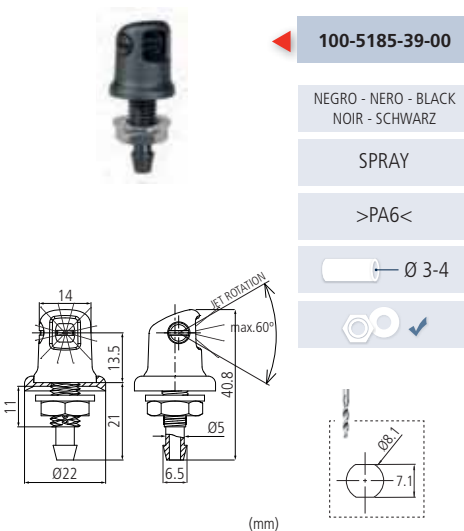
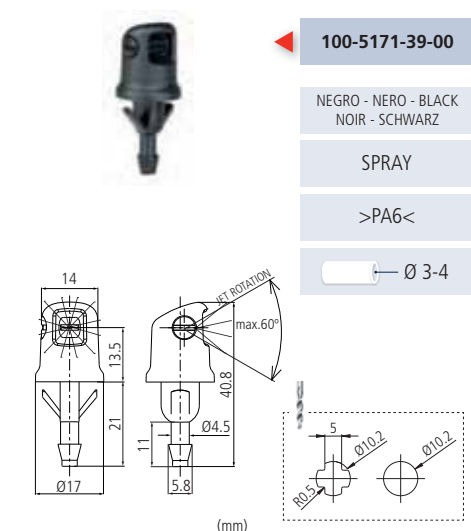
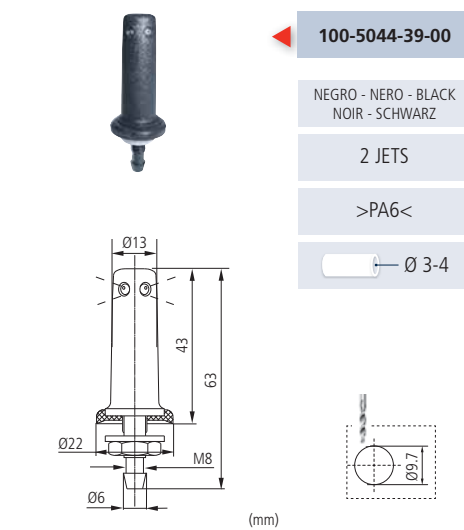
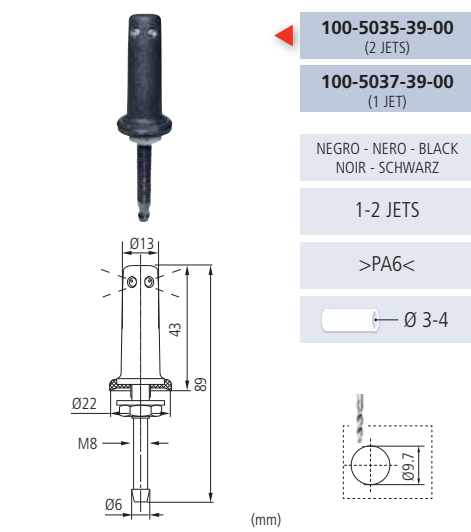
NEGRO - NERO - BLACK
NOIR - SCHWARZ

>PA6<

Ø 3-4

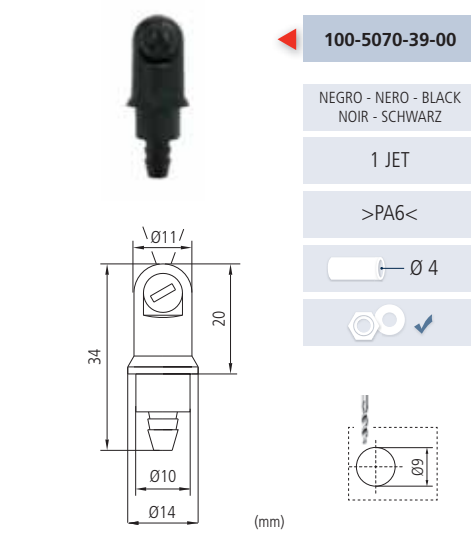
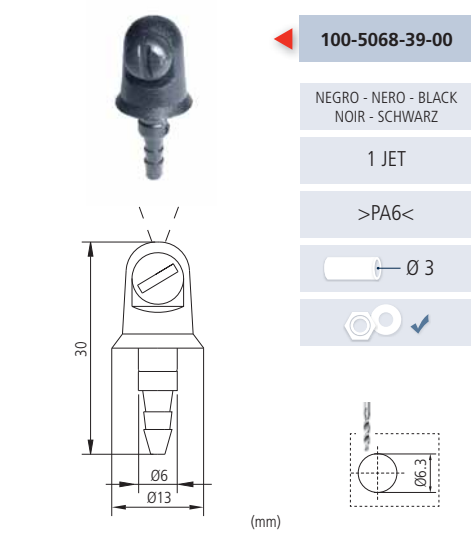
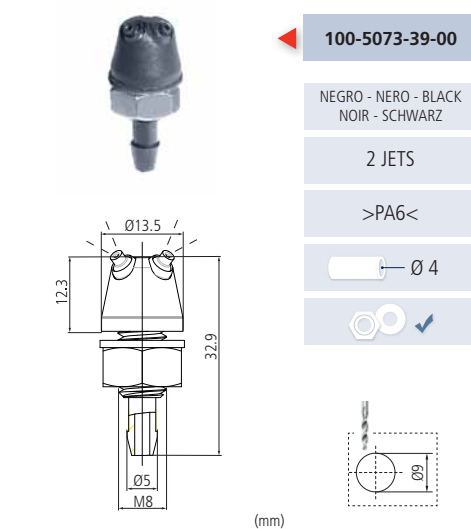
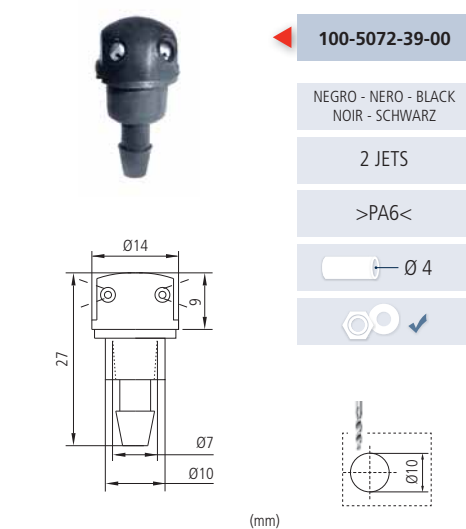


SURTIDORES CARROCEÍA - SPRUZZATORI CARROZZERIA - BODY NOZZLES - GICLEURS CARROSSERIE - KAROSSERIE SPRITZDÜSEN

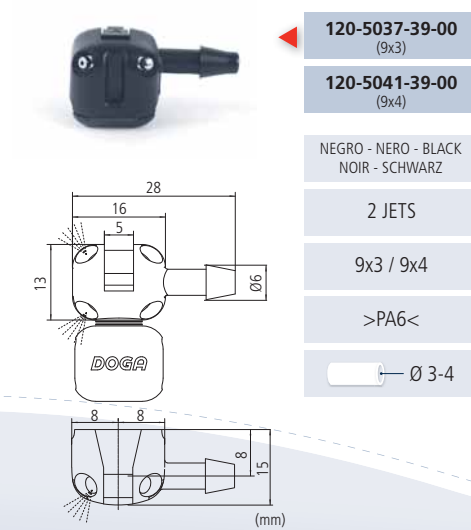
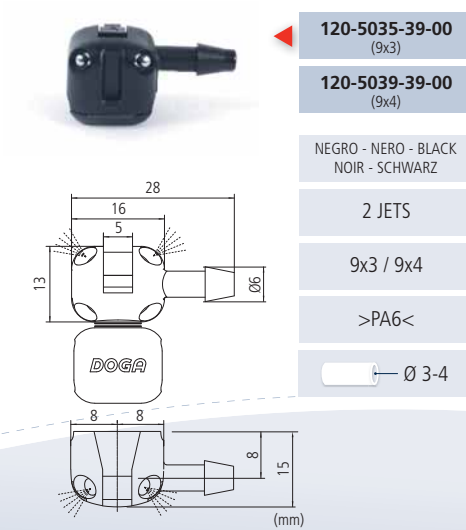
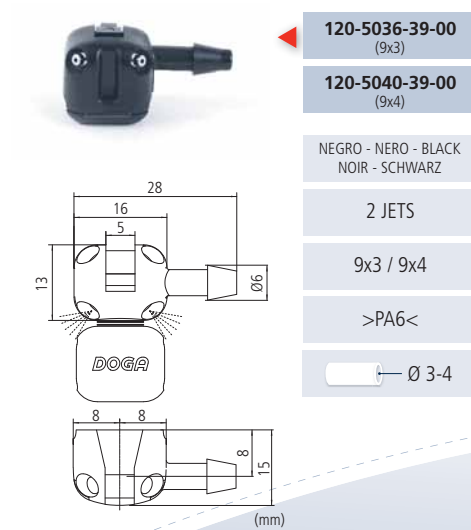


ACCESORIOS - ACCESSORI - ACCESSORIES ACCESSOIRES - ZUBEHÖR

SURTIDORES CARROCERÍA - SPRUZZATORI CARROZZERIA - BODY NOZZLES - GICLEURS CARROSSERIE - KAROSSERIE SPRITZDÜSEN



SURTIDORES BRAZO - SPRUZZATORI BRACCIO - ARM NOZZLES - GICLEURS BRAS - SPRITZDÜSEN FÜR WISCHERARME



SURTIDORES BRAZO - SPRUZZATORI BRACCIO - ARM NOZZLES - GICLEURS BRAS - SPRITZDÜSEN FÜR WISCHERARME



120-5038-39-00
(9x3)

120-5042-39-00
(9x4)

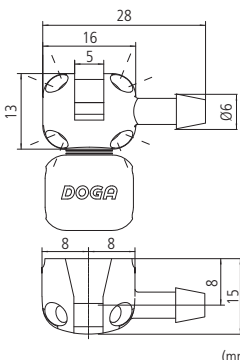
NEGRO - NERO - BLACK
NOIR - SCHWARZ

4 JETS

9x3 / 9x4

>PA6<

Ø 3-4



(mm)



120-5126-39-00
(9x3)

120-5106-39-00
(10x4)

120-5108-39-00
(12x4)

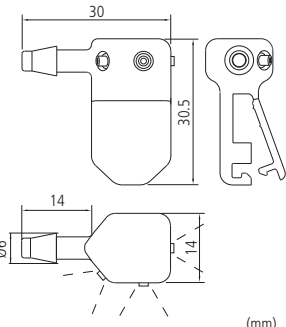
NEGRO - NERO - BLACK
NOIR - SCHWARZ

3 JETS

9x3 / 10x4 / 12x4

>PA6<

Ø 3-4



(mm)



120-5127-39-00
(9x3)

120-5131-39-00
(9x4)

120-5107-39-00
(10x4)

120-5109-39-00
(12x4)

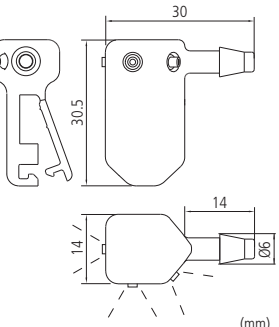
NEGRO - NERO - BLACK
NOIR - SCHWARZ

3 JETS

9x3 / 10x4 / 12x4

>PA6<

Ø 3-4



(mm)



127-5016-39-00

NEGRO - NERO - BLACK
NOIR - SCHWARZ

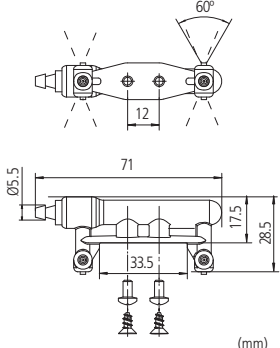
6 JETS

>PA6<

Ø 3-4

EXCLUSIVELY FOR ARMS DOGA TYP:

127-17
128-03
128-04
128-08



(mm)



120-5021-39-00

NEGRO - NERO - BLACK
NOIR - SCHWARZ

5 JETS

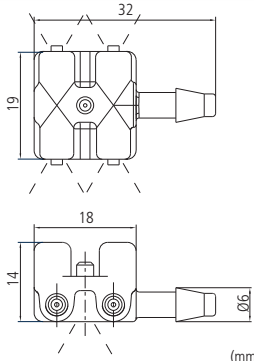
2.5x15

>PA6<

Ø 3-4

EXCLUSIVELY FOR ARMS DOGA TYP:

127-10
127-11



(mm)



120-5020-39-00

NEGRO - NERO - BLACK
NOIR - SCHWARZ

5 JETS

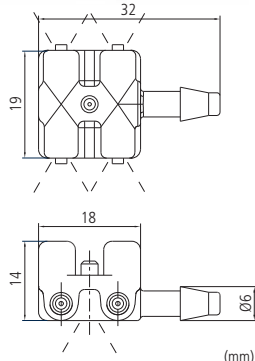
4x15

>PA6<

Ø 3-4

EXCLUSIVELY FOR ARMS DOGA TYP:

127-09
127-14



(mm)



120-5030-39-00

NEGRO - NERO - BLACK
NOIR - SCHWARZ

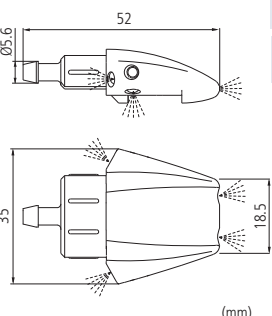
6 JETS

>PA6<

Ø 3-4

EXCLUSIVELY FOR ARM DOGA TYP:

120-32



(mm)



120-5005-39-00

NEGRO - NERO - BLACK
NOIR - SCHWARZ

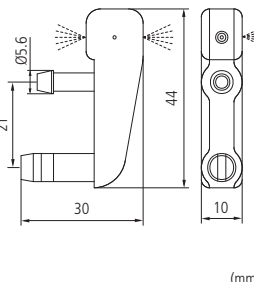
3 JETS

>PA6<

Ø 3-4

EXCLUSIVELY FOR ARM DOGA TYP:

120-67



(mm)



120-5025-39-00

NEGRO - NERO - BLACK
NOIR - SCHWARZ

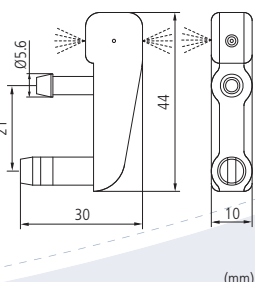
3 JETS

>PA6<

Ø 3-4

EXCLUSIVELY FOR ARM DOGA TYP:

120-67



(mm)

ACCESORIOS - ACCESSORI - ACCESSORIES ACCESSOIRES - ZUBEHÖR

SURTIDORES BRAZO - SPRUZZATORI BRACCIO - ARM NOZZLES - GICLÉURS BRAS - SPRITZDÜSEN FÜR WISCHERARME



120-0116-39-00
(9x3)

120-0117-39-00
(9x4)

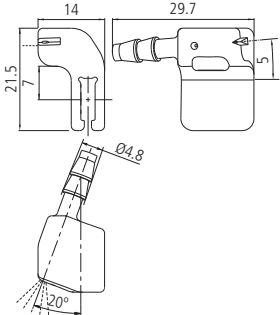
120-0118-39-00
(10x4)

NEGRO - NERO - BLACK
NOIR - SCHWARZ

1 SPRAY + 1 JET

>PA6<

Ø 3-4



(mm)



120-0119-39-00
(9x3)

120-0120-39-00
(9x4)

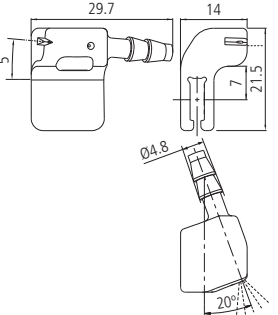
120-0121-39-00
(10x4)

NEGRO - NERO - BLACK
NOIR - SCHWARZ

1 SPRAY + 1 JET

>PA6<

Ø 3-4



(mm)



120-5064-39-00

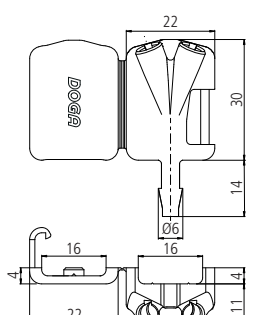
NEGRO - NERO - BLACK
NOIR - SCHWARZ

2 JETS

>PA6<

Ø 3-4

EXCLUSIVELY FOR
ARM DOGA TYP:
▼
125-18



(mm)

BRIDAS - MORSETTI - CLAMPS - ETRIER DE FIXATION - CLIP



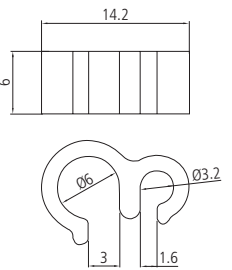
120-0062-39-00

NEGRO - NERO - BLACK
NOIR - SCHWARZ

anti UV

>POM<

Ø 6 max.



(mm)



124-0001-39-00
(8x4 - 10x4)

124-0002-39-00
(8x2.5 - 9x2.5)

124-0003-39-00
(9x3)

NEGRO - NERO - BLACK
NOIR - SCHWARZ

8x2.5 - 8x4 - 9x2.5
9x3 - 10x4

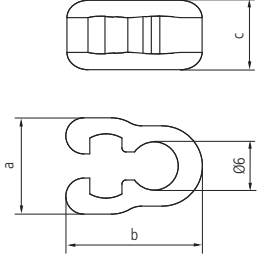
>POM<

Ø 6 max.

124-0001-39-00
a=12 b=18 c=8

124-0002-39-00
a=12 b=16.5 c=8

124-0003-39-00
a=13 b=16 c=10



(mm)

FILTRO - FILTER - FILTRE

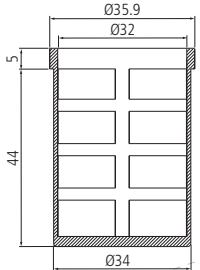


100-0242-39-00

AMARILLO - GIALLO
YELLOW - JAUNE - GELB

Ø 44

>POM<



(mm)

SOPORTES - STAFFE - SUPPORTS - SUPPORTS - TRÄGER

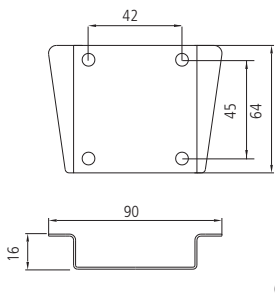


230-0006-04-06

ZINCADO NEGRO
NERO ZINCO - BLACK ZINC
ZINC NOIR - SCHWARZE ZINK

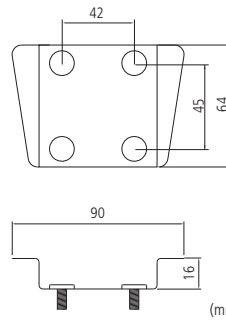
230-0006-04-09

ZINCADO - ZINCATA
ZINCKED - ZINC - VERZINKT



230-5002-04-09

ZINCADO - ZINCATA
ZINCKED - ZINC - VERZINKT

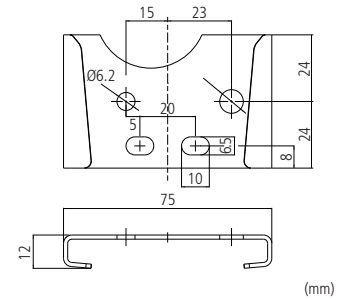


230-0005-04-00

CHORREADO DE ARENA
SABBIATURA - SANDBLAST
SABLAGE - SANDSTRAHLUNG

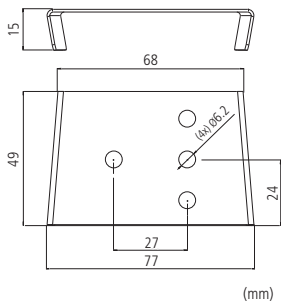
230-0005-04-09

ZINCADO - ZINCATA
ZINCKED - ZINC - VERZINKT



230-0009-04-09

ZINCADO - ZINCATA
ZINCKED - ZINC - VERZINKT

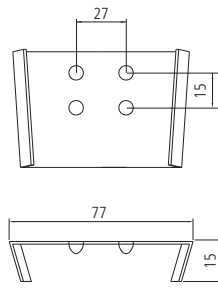


230-0007-04-00

CHORREADO DE ARENA
SABBIATURA - SANDBLAST
SABLAGE - SANDSTRAHLUNG

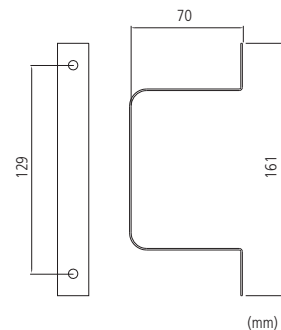
230-0007-04-09

ZINCADO - ZINCATA
ZINCKED - ZINC - VERZINKT



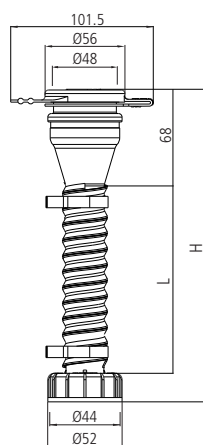
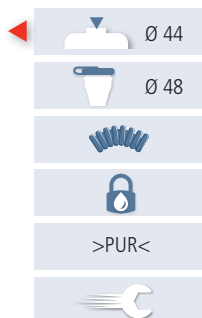
230-0008-04-09

ZINCADO - ZINCATA
ZINCKED - ZINC - VERZINKT



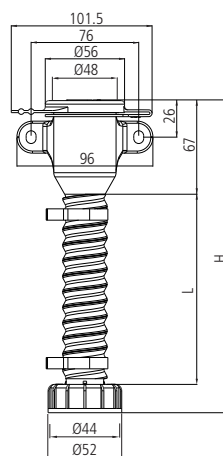
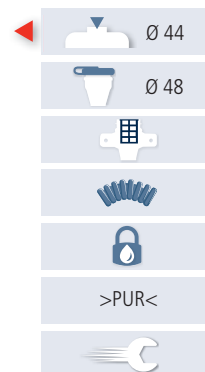
ACCESORIOS - ACCESSORI - ACCESSORIES
ACCESSOIRES - ZUBEHÖR

TUBO DE LLENADO - TUBO RIEMPIMENTO REMOTO - REMOTE FILLER SPOUT - TUBE DE REMPLISSAGE - EINFÜLLSCHLAUCH



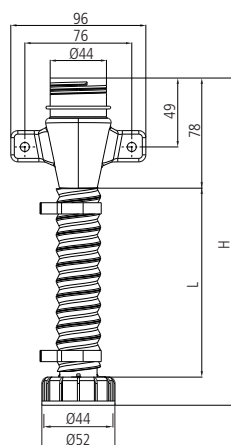
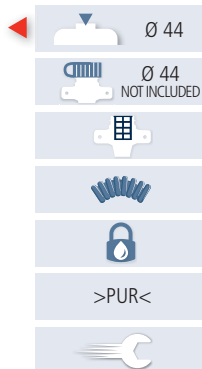
(mm)

L	H	REF.
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400	485	230.5255.39.00
570	655	230.5256.39.00



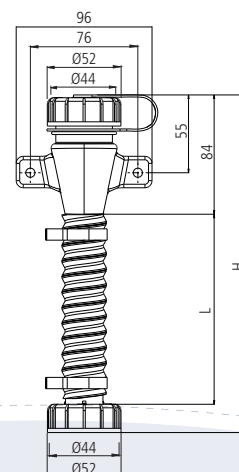
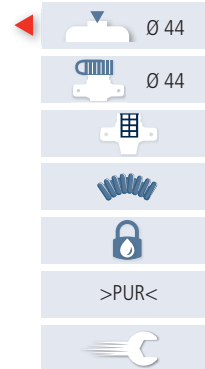
(mm)

L	H	REF.
130	215	230.5257.39.00
400	485	230.5258.39.00
570	655	230.5259.39.00



(mm)

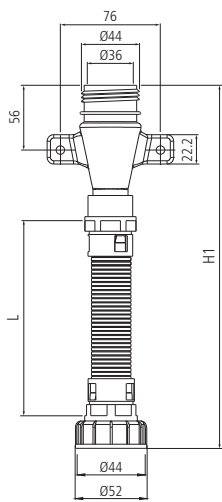
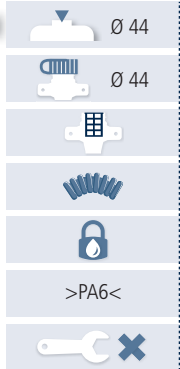
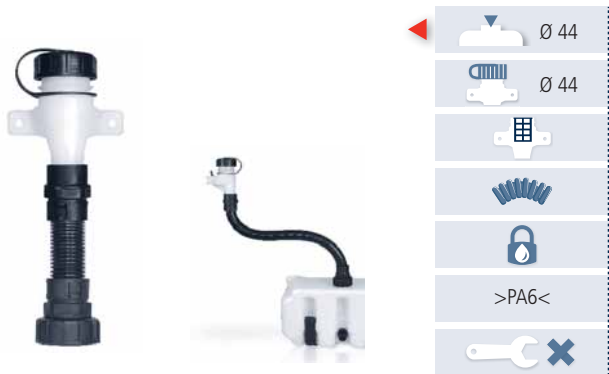
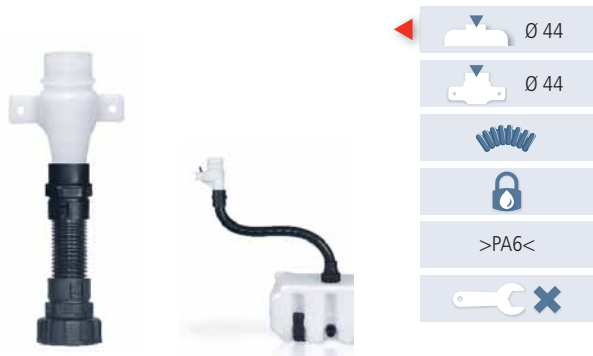
L	H	REF.
270	365	230.5260.39.00
495	590	230.5261.39.00
610	705	230.5262.39.00



(mm)

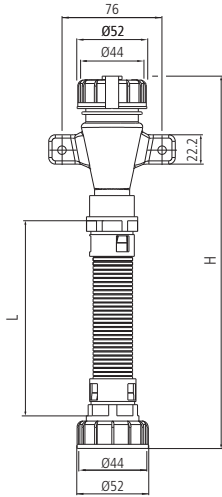
L	H	REF.
270	373	230.5249.39.00
495	597	230.5263.39.00
610	712	230.5264.39.00
1750	1853	230.5248.39.00

TUBO DE LLENADO - TUBO RIEMPIMENTO REMOTO - REMOTE FILLER SPOUT - TUBE DE REMPLISSAGE - EINFÜLLSCHLAUCH



(mm)

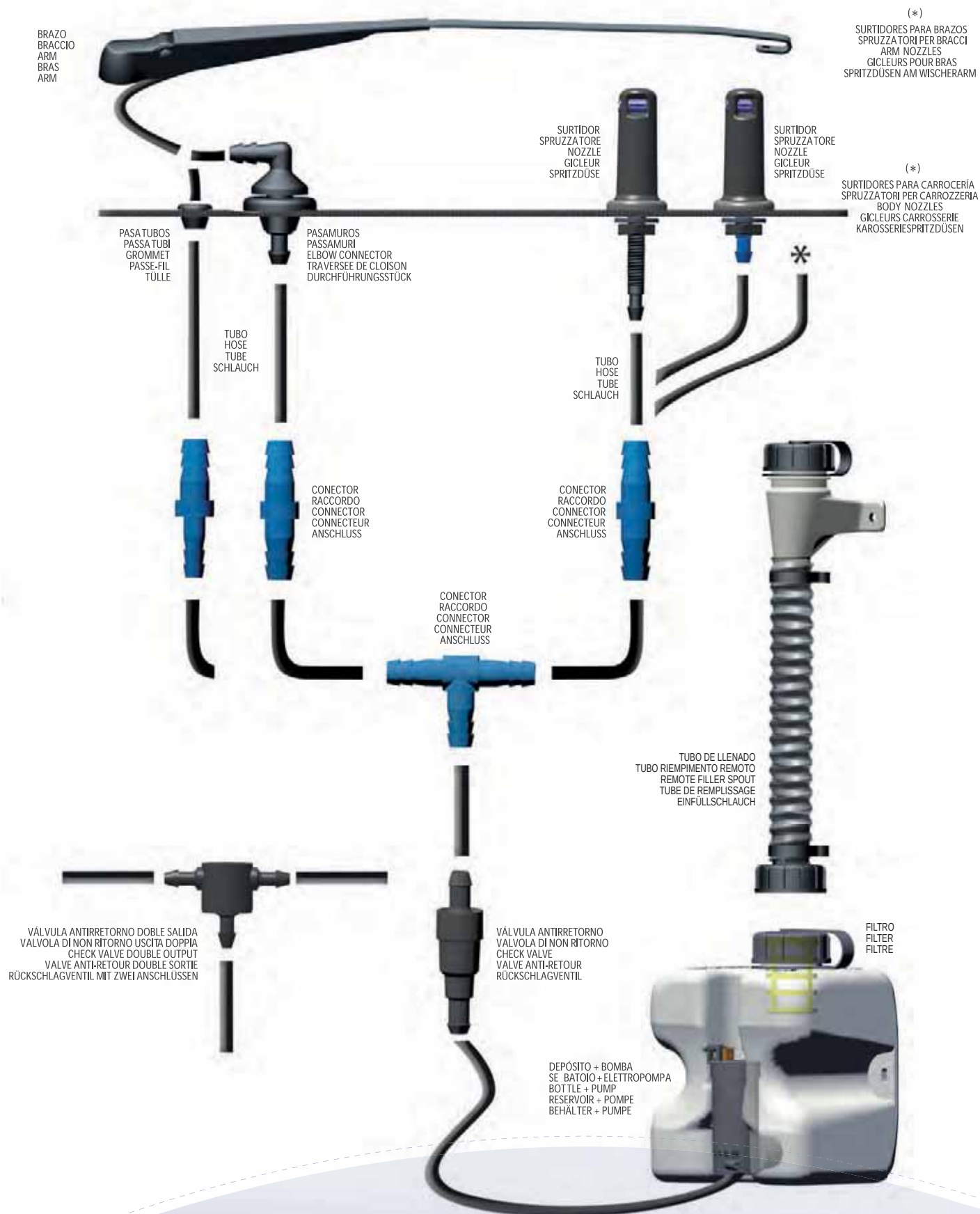
L	H1	REF.
320	450	230-5215-39-00
400	530	230-5168-39-00
500	630	230-5212-39-00
600	730	230-5169-39-00
800	930	230-5170-39-00
1570	1700	230-5184-39-00



(mm)

L	H	REF.
150	290	230-5187-39-00
180	320	230-5195-39-00
235	375	230-5164-39-00
400	540	230-5148-39-00
480	620	230-5166-39-00
500	640	230-5172-39-00
600	740	230-5149-39-00
665	805	230-5189-39-00
800	940	230-5150-39-00
860	1000	230-5188-39-00
870	1010	230-5209-39-00
1000	1140	230-5214-39-00
1150	1290	230-5201-39-00
1400	1540	230-5167-39-00
1750	1890	230-5200-39-00
1830	1970	230-5196-39-00
2000	2140	230-5211-39-00
2150	2290	230-5229-39-00
2500	2640	230-5197-39-00
3000	3140	230-5173-39-00

ESQUEMA DE MONTAJE - SCHEMA DI MONTAGGIO
MOUNTING DIAGRAM - SCHEMA DE MONTAGE - MONTAGESCHEMA





PROYECTOS ÚNICOS. Nuestro equipo de ingenieros convierte cada proyecto en un reto y los espacios reducidos, depósitos especiales o accesorios originales se convierten en un reclamo para innovar y diseñar equipos lavaparabrisas perfectamente adecuados para cada necesidad.

La creación de prototipos 3D, mejoras en los procesos de fabricación, conectividad o análisis predictivos son solo una muestra del avance tecnológico incorporado a DOGA que se revierte en un diseño de producto funcional, coherente y personalizado para cada cliente.

PROGETTI UNICI. Il nostro team di ingegneri trasforma ogni progetto in una sfida; spazi ridotti, serbatoi speciali o accessori esclusivi che diventano un richiamo per innovare e progettare attrezzature lavaparebrezzi che si adattano perfettamente a ogni necessità.

La creazione di prototipi 3D, nuovi processi di fabbricazione o connettività sono solo un esempio del progresso tecnologico di DOGA, che si traduce in un design di prodotto funzionale, coerente e personalizzato per ogni cliente.

UNIQUE PROJECTS. Our team of engineers turns each project into a challenge; reduced spaces, special tanks or exclusive accessories become a claim for innovating and designing windshield washer equipment that are perfectly suited for every need.

The creation of 3D prototypes, new manufacturing processes or connectivity are just a sample of the technological advances incorporated by DOGA, which translates into a functional, coherent and bespoke product design for each client.

PROJETS UNIQUES. Notre équipe d'ingénieurs fait de chaque projet un défi ; les espaces réduits, réservoirs spéciaux ou accessoires exclusifs deviennent une revendication pour innover et concevoir des dispositifs lave-glaces parfaitement adaptés à chaque besoin.

La création de prototypes 3D, les nouveaux processus de fabrication ou de connectivité ne sont qu'un exemple de l'avancement technologique intégré chez DOGA, qui aboutit à une conception de produit fonctionnel, cohérent et personnalisé pour chaque client.

EINZIGARTIGE PROJEKTE. Für unser Ingenieursteam stellt jedes Projekt eine Herausforderung dar: begrenzter Raum, besondere Behälter oder exklusives Zubehör stellen einen Anspruch an Innovation und Design von Scheibenwischeranlagen dar, die sich perfekt an jeden Bedarf anpassen.

Die Erstellung von 3D-Prototypen, neue Fertigungsprozesse oder Anschlussmöglichkeiten sind nur ein Beispiel für den technologischen Fortschritt, der bei DOGA eingeführt wurde, wodurch ein funktionelles, stimmiges und individuelles Produktdesign für jeden Kunden entsteht.





Equipos a medida - Prodotti su misura - Special wiper systems - Equipements sur mesure - Behälter nach Mass



1,2 L



1,2 L



1,8 L



1,8 L



2 L



2,7 L



3 L



3,5 L



4 L



4,2 L



4,6 L



5,4 L

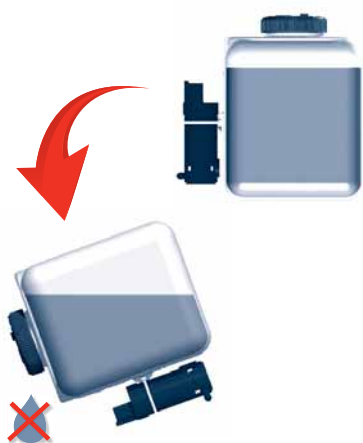


Equipos a medida - Prodotti su misura - Special wiper systems - Equipements sur mesure - Behälter nach Mass

**6L****9 L****12,5 L****13 L****20 L****40 L**

TAPONES OPCIONALES - TAPPI OPZIONALI - OPTIONAL CAPS
BOUCHONS OPTIONNELS - OPTIONALE VERSCHLUSSDECKELN

TAPÓN con VÁLVULA ANTIRRETORNO - TAPPO con VALVOLA ANTIPERDITA
CAP with SEALING VALVE - BOUCHON avec VALVE ANTI RETOUR
VERSCHLUSSDECKEL mit WASSERDICHTEN DRUCKAUSGLEICHVENTIL



Ø 56mm

► PRESIÓN COMPENSADA
PRESSIONE COMPENSATA
PRESSURE COMPENSATION
PRESSION COMPENSEE
DRUCKAUSGLEICH

► ESTANQUEIDAD ABSOLUTA
TENUTA COMPLETA
TOTAL SEALING
ETANCHEITE ABSOLUE
ABSOLUTE DICHTHEIT

TAPÓN con BRIDA ANTIPÉRDIDA - TAPPO IMPERDIBILE - TETHERED CAP
BOUCHON avec ANTI-PERDU - VERSCHLUSSDECKEL mit HALTERUNG



Ø44mm



Ø56mm

TAPONES - TAPPI - CAPS - BOUCHONS - VERSCHLUSSDECKELN

Ø	REF.					COLOR	 L										
44	230-5024-39-00	-	-		-		1,2	1,5	2,1	3	5,3	8,7	9,7	15	19,4	20	40
44	230-5161-39-00	-		-	-		8,7 ⁽¹⁾	11,6	19,4								
46	410-5003-39-00	-		-	-		7										
48	230-0012-39-00		-	-	-		1,2	2,1	3	5,3	9,7	15	19,4				
48	230-0052-39-00		-	-	-		1,2	2,1	3	5,3	9,7	15	19,4				
56	230-5115-39-00	-		-	-		1	1,1	1,5	1,75	2,2	3	3,5	5			
56	230-5117-39-00*	-		-	UMBRELLA		1	1,5	1,75	2,2	3	3,5	5				
56	230-5116-39-00	-		-	-		1,75	3,2	3,5								
56	230-5122-39-00*	-		-	UMBRELLA		1	1,5	1,75	2,2	3	3,5	5				
56	230-5210-39-00*	-		-	DUCKBILL		1	1,5	1,75	2,2	3	3,5	5				
56	230-5223-39-00*	-	-		UMBRELLA		1	1,5	1,75	2,2	3	3,5	5				

● NEGRO - NERO - BLACK - NOIR - SCHWARZ
○ BLANCO - BIANCO - WHITE - BLANC - WEISS
● AZUL - AZZURRO - BLUE - BLEU - BLAU

* CON ANTIRREFLUJO - CON ANTIRIFLUSSO - WITH ANTI-REFLUX - AVEC ANTI-REFLUX - MIT ANTI REFLUX
(1) Ref. 238-2016-30-00



▶ 410-5003-39-00



▶ 230-5024-39-00



▶ 230-5161-39-00



▶ 230-0012-39-00



▶ 230-0052-39-00



▶ 230-5115-39-00



▶ 230-5117-39-00



▶ 230-5116-39-00



▶ 230-5122-39-00



▶ 230-5210-39-00



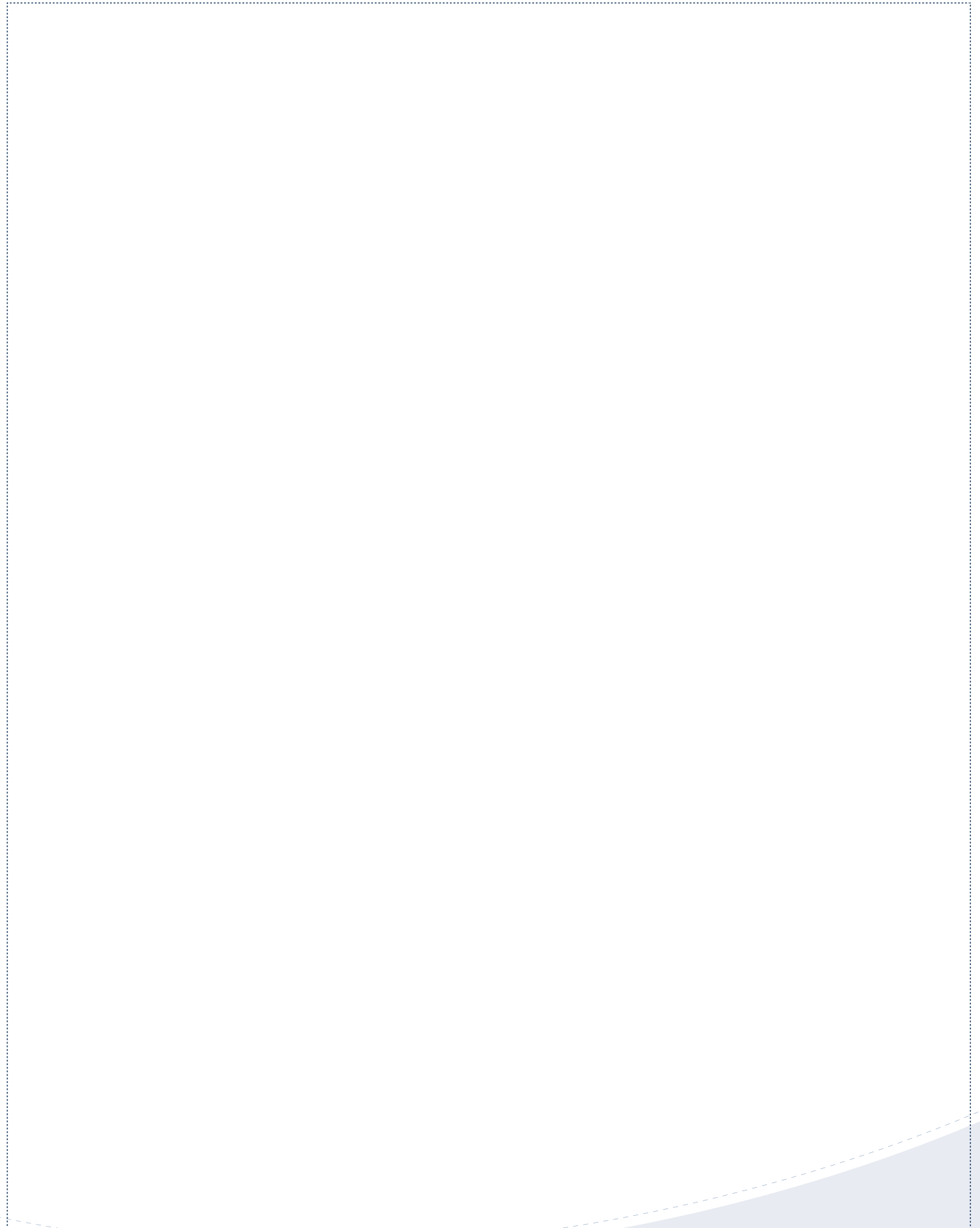
▶ 230-5223-39-00

BOMBAS - ELETTROPOMPE - PUMPS - POMPES - PUMPEN

REF.			
	TYP	Volts	
201-0052-20-00	A1	12	AMP2
201-0052-30-00	A1	24	AMP2
201-0075-20-00	A4	12	DEUTSCH
201-0075-30-00	A4	24	DEUTSCH
201-0054-20-00	C1	12	AMP2
201-0054-30-00	C1	24	AMP2
201-0091-20-00	C2	12	DEUTSCH
201-0091-30-00	C2	24	DEUTSCH
201-0008-20-00	D1	12	AMP2
201-0008-30-00	D1	24	AMP2

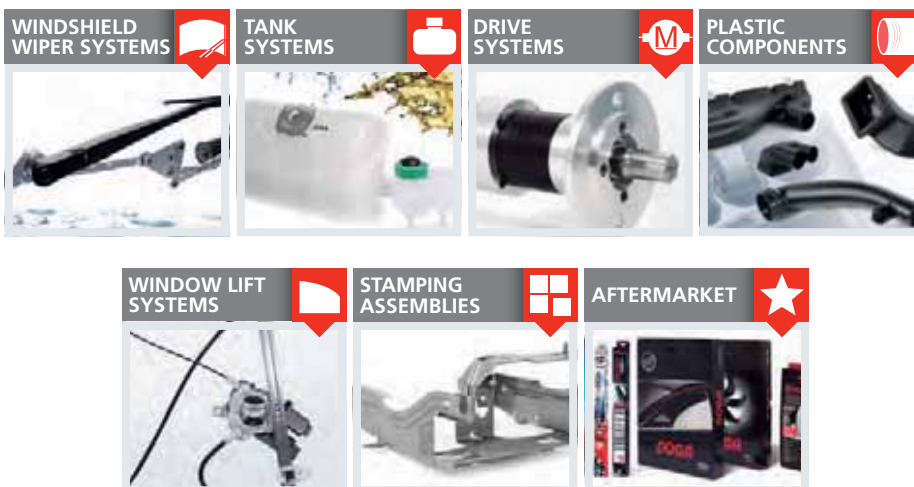
PRÓXIMAMENTE - SHORTLY - A BREVE - PROCHAINEMENT - IN KÜRZE





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