



WATER CLEANING

Product Range Catalogue

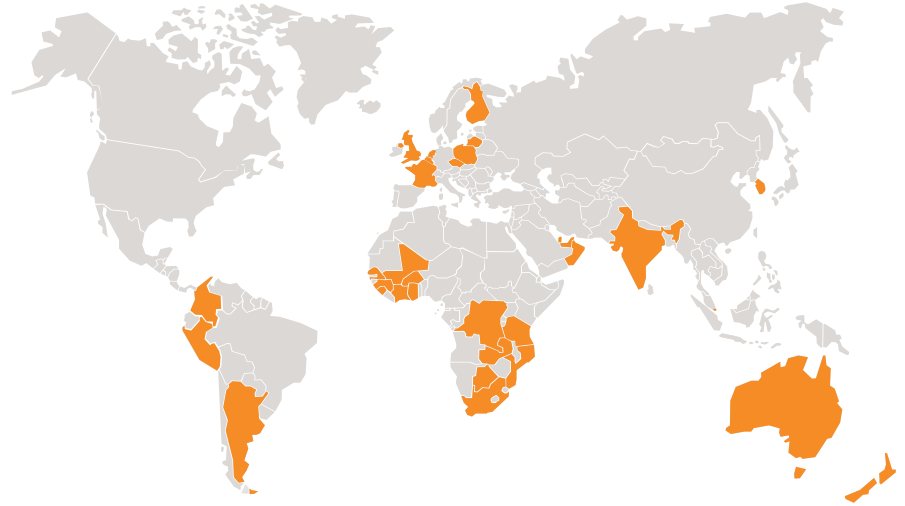
TABLE OF CONTENTS

INTRODUCTION	2
WATER CLEANING PRODUCT RANGE.....	7
1 - HOSES	12
2 - FITTINGS	28
3 - GUNS	40
4 - DETERGENT	46
5 - LANCES AND EXTENSIONS	53
6 - ADAPTORS AND COUPLINGS	59
7 - NOZZLES	69
8 - ACCESSORIES	75
TECHNICAL NOTES	81
SAFETY CHARTS	81
DETERMINATION NOZZLES	82
BLASTLOCK TYPE - ASSEMBLING INSTRUCTIONS	89

WHO WE ARE

Fluiconnecto by Manuli is a leading international service organization, focused on high pressure fluid connectors, providing products and application knowledge, as well as maintenance services, from OEM to end-users in all market segments, through a global network tailored to local conditions.

Fluiconnecto's services are made **available at the customer's doorstep** in 5 continents, through a network of **OEM Assembly Plants, Hydrosshops, On-site Workshops and Service On-site Vans**.



MANULI RUBBER INDUSTRIES

Fluiconnecto is part of the Manuli Rubber Industries group of companies with over 85 years of experience, which includes Manuli-Hydraulics: a leading international manufacturer of hydraulic hoses, connectors and assembled hoses.

QUALITY ASSURANCE

We love high quality. Quality you can trust, so we all can build on that

Fluiconnecto has implemented a quality management system compliant to ISO 9001:2015. From in-house production and management systems to the final product, quality is never compromised.

Our in-house corporate quality system ensures that only fully approved and certified products enter the distribution line. This is driven by our business relationships with companies and manufacturers that exhibit an equally high commitment to quality. The awareness of this core value amongst all employees is fully and consistently promoted, making Fluiconnecto a true quality orientated organization.



We work with trusted suppliers



We provide products and services complying to international standards



We participate in industry associations and standardization committees



We have ISO 9001 certifications



We invest in our employees

WE KEEP IT RUNNING

We are your strategic partner for all applications and markets

Our solutions are designed to be suitable for each specific application, involving construction machines, mining, industrial processes, agriculture, road construction equipment, drilling, forestry machines, material handling and lifting, road transportation, marine and offshore, among others.



OIL & GAS SPECIALISTS

- Off-shore Drilling
- On-shore Drilling, incl. Hydraulic Fracturing



MINING SPECIALISTS

- Hard Rock Open Pit
- Soft Rock Open Pit
- Hard Rock Underground
- Soft Rock Underground
- Exploration Drilling



MARINE SPECIALISTS

- Ports
- Dredging & Drainage
- Cargo Ships
- Passenger Cruisers
- Luxury Yachts
- Ship Building & Repair



CIA SPECIALISTS

- Construction
- Agriculture
- Industrial Applications
- Manufacturing
- Logistics
- Forestry
- Waste Management

WHY FLUICONNECTO?

5 good reasons for choosing Fluiconnecto as your trusted partner:



SAVE TIME

- Find all you need in one place.
- We are always close to you through our well-established network of Hydrosops, On-Site Workshops and Service On-Site Vans.
- We offer 24/7 service availability to support you throughout the year, always.



SAVE MONEY

- We bring the manufacturer to your doorstep: Manuli Hydraulics. In this way, we can offer you the best products available in the market.
- We work directly with the manufacturer, ensuring continuity of stock availability, improving your productivity and avoiding additional costs.



REDUCE DOWNTIME

- We help you to evolve from reactive maintenance to preventive maintenance.
- With our **flu-ID Hoses Maintenance Program**, we go beyond inspection activities, optimizing the performance and service life of your hose assemblies.



INCREASE SAFETY

- We work with **MANULI's INTEGRATED SYSTEM** to ensure increased performance and higher safety.
- We use original Manuli components and we don't mix and match, in this way we can guarantee safety and a longer service life.



GAIN PEACE OF MIND

- Work with our certified and highly qualified technicians, trained directly by Manuli Hydraulics, the manufacturer.
- You can trust our experience and knowledge.
- Our offer has been designed to meet the specific requirements of your market.



WHENEVER YOU NEED US



HYDROSHOP

**ONE STOP-SHOP
CLOSE TO YOU**

Our Hydrosshops are specialized Fluiconnecto service points, open to the public and strategically located to serve through convenience and proximity. At our Hydrosshops you can easily place and collect your orders, as well as make use of our wide range of professional services: from hose assemblies to the maintenance of hydraulic lines.

Our experienced and professional personnel will guide you through the whole process to find the right solution for your assets and to keep your operations running.

Your benefits:

- Faster ordering via phone, email or fax.
- Products delivered at your doorstep.
- Reduce downtime by using our mobile 24/7 services.
- One stop-shop: all you need in one place.
- Hassle free hose ordering with FLC tagged hoses.
- Find replacement parts quicker: our engineers will advise and order the best solution for you.
- Extended service life of your hose assemblies with Manuli's Integrated System.
- Reduce your inventory: Fluiconnecto carries and manages you inventory for you.



ON-SITE WORKSHOP

**A CONTAINER WORKSHOP WE PLACE AT
YOUR PREMISES**

For demanding conditions that require qualified technicians always on duty, we can rapidly set up a custom container or workshop at your premises, with services and inventory tailored to your needs.

Our face-to-face workshops are flexible solutions fully equipped with hose assembly equipment, a service area and a warehouse that stores all the components you need. With our On-Site workshops, you can have replacement hose assemblies manufactured at your mine site or other remote location.

Your benefits:

- Faster response to emergencies: qualified technicians 24/7 available on call.
- Decrease your stock: product range that suits your needs.
- Hassle free hose ordering: with FLC tagged hoses.
- Reduce your downtime: with our "preventive maintenance" service - flui-ID.
- Extended service life of your hose assemblies with Manuli's Integrated System.
- More effective asset management: closely monitoring hose failures, daily inspections and monthly KPI reporting.



SERVICE ON-SITE VAN

**SUPPORT WHERE AND WHEN
YOU NEED US**

Fluiconnecto's Service On-site Vans are fully equipped mobile workshops that will solve your hydraulic problems wherever and whenever they occur.

An SOS Van can provide support for a variety of hydraulic problems: from replacing a single hose on an excavator working on a construction site, to planned scheduled maintenance of hydraulic circuits on industrial & mobile machines.

Your benefits:

- Faster response to emergencies: qualified technicians 24/7 available on call.
- Hassle free hose ordering: with FLC tagged hoses.
- Reduce your downtime: with our "preventive maintenance" service - flui-ID.
- Extended service life of your hose assemblies with Manuli's Integrated System.
- Save time: by having hydraulic hoses manufactured on-site.

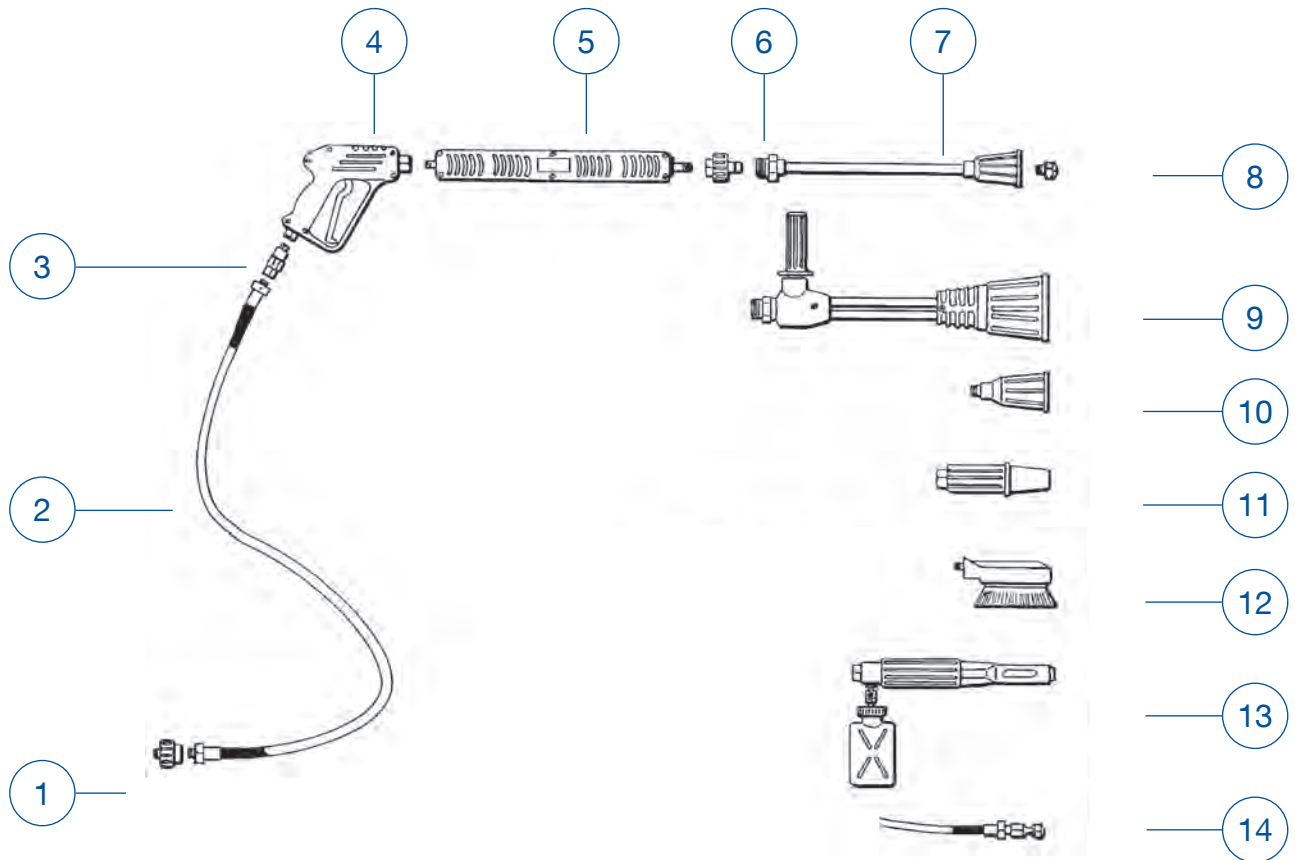


WATER CLEANING

Technical Data

WATER CLEANING

The products in the range are the items located downstream of our washing hose, as shown in the diagram below.



1. Quick ball couplings with collar
2. High pressure flexible hoses
3. High pressure quick couplings
4. Guns
5. Lances
6. High pressure quick couplings
7. Extensions for lances
8. High pressure and low pressure nozzles

9. Double lances
10. Rotating nozzles
11. Variable angle nozzles and by-pass
12. Fixed and rotating brushes
13. Foam cannons
14. Unclogging heads

WATER CLEANING

HOSES AND FITTINGS

8

RANGE OF HOSES FOR WATER

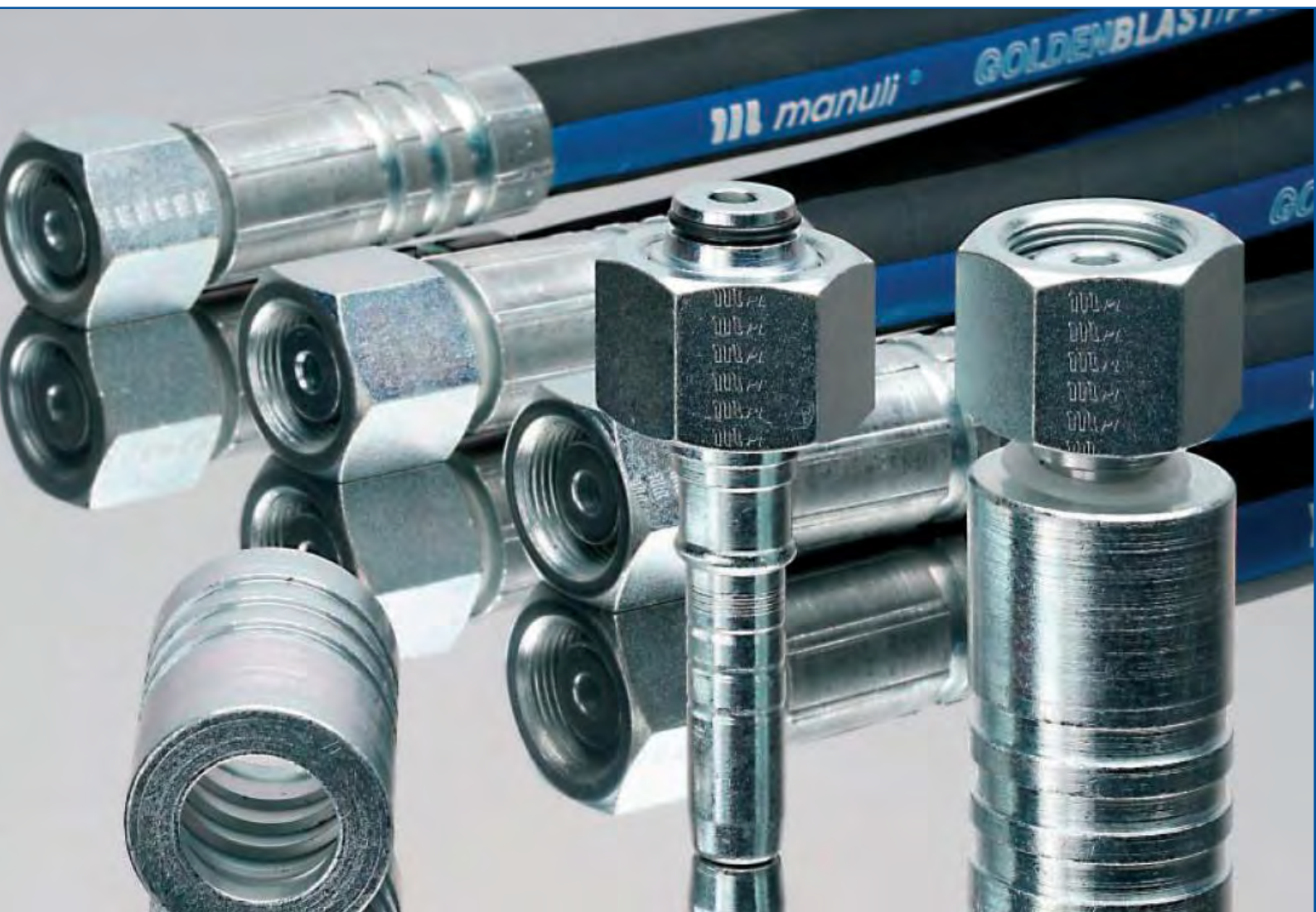
- Cold water
- Cold water / hot water
- Hot water (non-staining)

FITTINGS RANGE

- Carbon steel
- Stainless steel

VERY HIGH PRESSURE RANGE (THP), UP TO 1250 BAR

- Hoses
- Fittings
- Adaptors
- Couplings



WATER CLEANING

MEASURING INSTRUMENTS

RANGE OF GUNS AND LANCE GUNS

- **Low pressure (LP):** from 12 to 24 bar, rotating brass or fixed stainless steel (LP / LPX)
- **High pressure (HP):** from 60 to 500 bar (P4 - AL55 - MV925 -ML -BIT105)
- **Detergent:** from 15 to 25 bar (DETERGENT)



LP / LPX



P4 / AL55 / MV925 / ML



BIT105

DETERGENT RANGE

Complete range of parts required for spraying detergent (adaptor, nozzle, seals, filter, telescopic lance, etc.)



ML RANGE

- Hydraulic system facilitating the pressing force on the trigger.
- Shoulder pad limiting the recoil of the operator's arm.
- Rounded shape for impact resistance
- Resistant shell (plastic filled with fiberglass)
- System facilitating the pressing force on the trigger



MV925 RANGE

- Mechanical system facilitating the pressing force on the trigger.
- Rounded shape for impact resistance
- Resistant shell (plastic filled with fiberglass)
- System facilitating the pressing force on the trigger



LANCES

RANGE OF LANCES

- Stainless steel
- Singles / doubles
- Molded / insulating
- Extensions, handles



See Safety Chart: EN 1829-1 page 82

WATER CLEANING

ADAPTORS AND COUPLINGS

RANGE OF ADAPTORS

- Male / Female
- Steel / stainless steel / brass
- Fixed / swiveling / rotating



RANGE OF COUPLERS AND VALVES

- Male Female
- Steel / stainless steel / brass
- Non-return valves



NOZZLES

COMPLETE RANGE OF NOZZLES

- Low pressure: brass / 50 ° flat jet / steam
- High pressure: 310 bar, stainless steel (HP nozzle 0 ° / 15 ° / 25 ° / 40 ° angle)
- Rotary: from 280 to 500 bar (TPL - TPR - ROTOJET 500)
- Variable angle nozzle with bypass (T10P NOZZLE)
- Pipe cleaning nozzle: fixed / rotating



TPL

Insert :
Ceramic



TPR

Insert :
Ceramic



ROTOJET 500

Insert :
Tungsten
carbide

Minimum rotation pressure: 20 bar for TPL nozzle and 50 bar for TPR and ROTOJET 500 nozzles.

The choice of the nozzle determines good performance and good functioning of the washer.

- Nozzle too large: cleaner efficiency reduced due to lower pressure.
- Nozzle too small: overpressure, poor operation and premature wear of hydraulic and electrical components. Consult the determination tables on pages 83 to 89.

WATER CLEANING

ACCESSORIES

RANGE OF ACCESSORIES

- Hoses equipped for hot / cold water cleaner
- Brushes, telescopic handles, foam gun
- Reels



For any other product, contact us!

The water cleaning hose range offered by Fluiconnecto can be applied to both hobby and professional water cleaning machines with hot and cold water (not suitable for vapour steam applications).

The water blasting hose range is designed for maximum robustness and ease of handling.

RANGE	HOSE	HOSE STRUCTURE	KEY PERFORMANCE	PAGE
WATER BLASTING	GOLDENBLAST	Wire spiral	Safe waterblast technology	13
	GOLDENBLAST/PLUS	Wire spiral	Safe waterblast technology	14
	GOLDENBLAST/SIX	Wire spiral	Safe waterblast technology	15
WATER CLEANING	K-JET	Wire braided	Pressure wash	16 - 17
	SUPERJET	Wire braided	Pressure wash	18 - 19
	SUPERJET/PLUS	Wire braided	Pressure wash	20 - 21
	PROJET	Wire braided	Pressure wash	22 - 23
	SUPERJET/F	Wire braided	Pressure wash	24 - 25
	FLUICONNECTO STANDARD WASHING 2WB	Wire braided	Pressure wash	26
	FLUICONNECTO STANDARD WASHING 2WB HOSE ASSEMBLY	Wire braided	Pressure wash	27

GUIDE TO SELECT FLUICONNECTO HOSES BY WORKING PRESSURE

HOSE SIZE	WORKING PRESSURE (bar)									
	DN	5	6	8	10	12	16	19	25	
	DASH	-3	-4	-5	-6	-8	-10	-12	-16	
GOLDENBLAST					750	750				Safety factor burst/working pressure 2,5:1
GOLDENBLAST/PLUS					1250	1100		1000	700	
GOLDENBLAST/SIX						1450		1350		
K-JET			210	210	210	210				Safety factor burst/working pressure 4:1
SUPERJET			280	250						
SUPERJET/PLUS			400	350	330	275				
SUPERJET/F					500					Safety factor burst/working pressure 2,6:1
FLUICONNECTO STANDARD WASHING 2WB				350	330					Safety factor burst/working pressure 4:1

GOLDENBLAST

SAFE WATERBLAST TECHNOLOGY



TECHNICAL DATA

PART REF.	HOSE SIZE			R.O.D		O.D		MAX. W.P		BURST		MIN. BEND		WEIGHT		FITTINGS
	DN	dash	inch	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	g/m	lb/ft	Connection 1
A61001-06	10	-6	3/8"	17.6	0.69	20.2	0.80	750	10,870	1,875	27,190	180	7.09	756	0.51	Blastlock
A61001-08	12	-8	1/2"	20.4	0.80	23.0	0.91	750	10,870	1,875	27,190	220	8.66	905	0.61	Blastlock

KEY FEATURES

- Basic hose line for scale removing applications
- Compactness, lightness and flexibility
- Safety factor 2,5:1 (accepted world standard as specified by RMA-USA, BFPA-UK, DIN-Germany, ISO 7751)
- High abrasion resistant cover

APPLICATIONS & FLUIDS

- Waterblasting, scale removing applications using extreme high working pressures:
- Building and industrial sectors (roadworks, removal of concrete from reinforced concrete structures safeguarding metal components);
- Scale removal ships hulls in shipyard;
- Dust elimination
- Water, water soap, emulsions

CONTINUOUS SERVICE TEMPERATURE RANGE

-10 °C, 15 °F
70 °C, 158 °F

TUBE

Water resistant synthetic rubber

REINFORCEMENT

Four high tensile steel spirals

COVER

Synthetic rubber with high temperature, ozone and abrasion resistance

APPLICABLE SPECS

Manuli® Design, Australian Std. AS/NZS 4233.2

TYPE APPROVALS

CU-TR; MSHA

GOLDENBLAST/PLUS

SAFE WATERBLAST TECHNOLOGY



TECHNICAL DATA

PART REF.	HOSE SIZE			R.O.D		O.D		MAX. W.P		BURST		MIN. BEND		WEIGHT		FITTINGS
	DN	dash	inch	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	g/m	lb/ft	Connection 1
A61002-06	10	-6	3/8"	17.4	0.69	20.0	0.79	1,250	18,120	3,125	45,320	230	9.06	800	0.54	Blastlock
A61002-08	12	-8	1/2"	21.5	0.85	24.1	0.95	1,100	15,950	2,750	39,880	230	9.06	1,110	0.75	Blastlock
A61002-12	19	-12	3/4"	29.0	1.14	32.0	1.26	1,000	14,500	2,500	36,250	250	9.84	1,730	1.16	Blastlock
A61002-16	25	-16	1"	35.1	1.38	38.1	1.50	700	10,150	1,750	25,380	250	9.84	2,040	1.37	Blastlock

KEY FEATURES

- Hose line for waterblasting with pressures up to 1250 bar
- Compactness, lightness and flexibility
- Safety factor 2,5:1 (accepted world standard as specified by RMA-USA, BFPA-UK, DIN-Germany, ISO 7751)
- High abrasion resistance cover

APPLICATIONS & FLUIDS

- Waterblasting, scale removing applications using extreme high working pressures:
- Building and industrial sectors (roadworks, removal of concrete from reinforced concrete structures safeguarding metal components);
- Scale removal ships hulls in shipyard;
- Dust elimination
- Water, water soap, emulsions

CONTINUOUS SERVICE TEMPERATURE RANGE

-10 °C, 15 °F

70 °C, 158 °F

TUBE

Water resistant synthetic rubber

REINFORCEMENT

Four high tensile steel spirals

COVER

Synthetic rubber with high temperature, ozone and abrasion resistance

APPLICABLE SPECS

Manuli[®] Design, Australian Std. AS/NZS 4233.2

TYPE APPROVALS

CU-TR; MSHA

GOLDENBLAST/SIX

SAFE WATERBLAST TECHNOLOGY



TECHNICAL DATA

PART REF.	HOSE SIZE		R.O.D		O.D		MAX. W.P		BURST		MIN. BEND		WEIGHT		FITTINGS	
	DN	dash	inch	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	g/m	lb/ft	Connection 1
A61003-08	12	-8	1/2"	25.9	1.02	28.9	1.14	1,450	21,030	3,625	52,570	250	9.84	1,880	1.26	Blastlock
A61003-12	19	-12	3/4"	32.4	1.28	35.4	1.39	1,350	19,580	3,375	48,950	280	11.02	2,630	1.77	Blastlock

KEY FEATURES

- Six wire spiral hose dedicated to severe applications with pressures up to 1450 bar
- Compactness, lightness and flexibility
- Safety factor 2,5:1 (accepted world standard as specified by RMA-USA, BFPA-UK, DIN-Germany, ISO 7751)
- High abrasion resistance cover

APPLICATIONS & FLUIDS

- Waterblasting, scale removing applications using extreme high working pressures:
- Building and industrial sectors (roadworks, removal of concrete from reinforced concrete structures safeguarding metal components);
- Scale removal ships hulls in shipyard;
- Dust elimination
- Water, water soap, emulsions

CONTINUOUS SERVICE TEMPERATURE RANGE

-10 °C, 15 °F
70 °C, 158 °F

TUBE

Water resistant synthetic rubber

REINFORCEMENT

Six high tensile steel spirals

COVER

Synthetic rubber with high temperature, ozone and abrasion resistance

APPLICABLE SPECS

Manuli® Design, Australian Std. AS/NZS 4233.2

TYPE APPROVALS

CU-TR; MSHA

K-JET (BLACK)

PRESSURE WASH - BLACK VERSION



TECHNICAL DATA

PART REF.	HOSE SIZE			R.O.D		O.D		MAX. W.P		BURST		MIN. BEND		WEIGHT		FITTINGS
	DN	dash	inch	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	g/m	lb/ft	Connection 1
A62002-04	6	-4	1/4"	10.3	0.41	12.4	0.49	210	3,040	840	12,180	50	1.97	165	0.11	Multifit
A62002-05	8	-5	5/16"	11.9	0.47	14.0	0.55	210	3,040	840	12,180	55	2.17	205	0.14	Multifit
A62002-06	10	-6	3/8"	14.5	0.57	16.5	0.65	210	3,040	840	12,180	65	2.56	300	0.20	Multifit
A62002-08	12	-8	1/2"	17.7	0.70	19.9	0.78	210	3,040	840	12,180	90	3.54	410	0.28	Multifit

KEY FEATURES

- Dust free smooth surface
- Indelible branding
- Compact structure: easy handling, reduced bend radius
- Good abrasion resistance
- Designed to meet IEC-2 (safety factor 4:1)

APPLICATIONS & FLUIDS

- Water-cleaning equipment, ideal for hobby and semi-professional machines
- Water, mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion

CONTINUOUS SERVICE TEMPERATURE RANGE

-10 °C, 15 °F

135 °C, 275 °F

TUBE

Water resistant synthetic rubber

REINFORCEMENT

One high tensile steel braid

COVER

Environment resistant synthetic rubber

APPLICABLE SPECS

Manuli[®] Design

TYPE APPROVALS

CU-TR

K-JET (BLUE)

PRESSURE WASH - BLUE VERSION



TECHNICAL DATA

PART REF.	HOSE SIZE			R.O.D		O.D		MAX. W.P		BURST		MIN. BEND		WEIGHT		FITTINGS
	DN	dash	inch	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	g/m	lb/ft	Connection 1
A62001-04	6	-4	1/4"	10.3	0.41	12.4	0.49	210	3,040	840	12,180	50	1.97	165	0.11	Multifit
A62001-05	8	-5	5/16"	11.9	0.47	14.0	0.55	210	3,040	840	12,180	55	2.17	200	0.13	Multifit
A62001-06	10	-6	3/8"	14.5	0.57	16.5	0.65	210	3,040	840	12,180	65	2.56	295	0.20	Multifit
A62001-08	12	-8	1/2"	17.7	0.70	19.9	0.78	210	3,040	840	12,180	90	3.54	405	0.27	Multifit

KEY FEATURES

- Dust free smooth surface
- Indelible branding
- Compact structure: easy handling, reduced bend radius
- Good abrasion resistance
- Designed to meet IEC-2 (safety factor 4:1)

APPLICATIONS & FLUIDS

- Water-cleaning equipment, ideal for hobby and semi-professional machines
- Water, mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion

CONTINUOUS SERVICE TEMPERATURE RANGE

-10 °C, 15 °F

135 °C, 275 °F

TUBE

Water resistant synthetic rubber

REINFORCEMENT

One high tensile steel braid

COVER

Environment resistant synthetic rubber

APPLICABLE SPECS

Manuli® Design

TYPE APPROVALS

CU-TR

SUPERJET (BLACK)

PRESSURE WASH - BLACK VERSION



TECHNICAL DATA																
PART REF.	HOSE SIZE			R.O.D		O.D		MAX. W.P		BURST		MIN. BEND		WEIGHT		FITTINGS
	DN	dash	inch	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	g/m	lb/ft	Connection 1
A62005-04	6	-4	1/4"	11.2	0.44	13.3	0.52	280	4,060	1,120	16,240	100	3.94	225	0.15	Multifit
A62005-05	8	-5	5/16"	12.8	0.50	14.9	0.59	250	3,620	1,000	14,500	114	4.49	260	0.17	Multifit

KEY FEATURES

- Dust free smooth surface
- Indelible branding
- Easy handling
- Good abrasion resistance
- Designed to meet IEC-2 (safety factor 4:1)

APPLICATIONS & FLUIDS

- Water-cleaning equipment, ideal for hobby and semi-professional machines
- Water, mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion

CONTINUOUS SERVICE TEMPERATURE RANGE

-10 °C, 15 °F
135 °C, 275 °F

TUBE

Water resistant synthetic rubber

REINFORCEMENT

One high tensile steel braid

COVER

Environment resistant synthetic rubber

APPLICABLE SPECS

Manuli® Design

TYPE APPROVALS

CU-TR

SUPERJET (BLUE)

PRESSURE WASH - BLUE VERSION



TECHNICAL DATA

PART REF.	HOSE SIZE			R.O.D		O.D		MAX. W.P		BURST		MIN. BEND		WEIGHT		FITTINGS
	DN	dash	inch	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	g/m	lb/ft	Connection 1
A62006-04	6	-4	1/4"	11.2	0.44	13.4	0.53	280	4,060	1,120	16,240	100	3.94	225	0.15	Multifit
A62006-05	8	-5	5/16"	12.8	0.50	15.0	0.59	250	3,620	1,000	14,500	114	4.49	265	0.18	Multifit

KEY FEATURES

- Dust free smooth surface
- Indelible branding
- Easy handling
- Good abrasion resistance
- Designed to meet IEC-2 (safety factor 4:1)

APPLICATIONS & FLUIDS

- Water-cleaning equipment, ideal for hobby and semi-professional machines
- Water, mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion

CONTINUOUS SERVICE TEMPERATURE RANGE

-10 °C, 15 °F
135 °C, 275 °F

TUBE

Water resistant synthetic rubber

REINFORCEMENT

One high tensile steel braid

COVER

Environment resistant synthetic rubber

APPLICABLE SPECS

Manuli® Design

TYPE APPROVALS

CU-TR

SUPERJET PLUS (BLACK)

PRESSURE WASH - BLACK VERSION



TECHNICAL DATA

PART REF.	HOSE SIZE			R.O.D		O.D		MAX. W.P		BURST		MIN. BEND		WEIGHT		FITTINGS
	DN	dash	inch	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	g/m	lb/ft	Connection 1
A62007-04	6	-4	1/4"	12.7	0.50	14.7	0.58	400	5,800	1,600	23,200	55	2.17	370	0.25	Multifit
A62007-05	8	-5	5/16"	14.3	0.56	16.3	0.64	350	5,070	1,400	20,300	60	2.36	410	0.28	Multifit
A62007-06	10	-6	3/8"	15.0	0.59	16.8	0.66	330	4,780	1,320	19,140	65	2.56	390	0.26	Multifit
A62007-08	12	-8	1/2"	18.5	0.73	20.3	0.80	275	3,980	1,100	15,950	80	3.15	480	0.32	Multifit

KEY FEATURES

- Very high pressure resistance
- Lightness and flexibility
- Easy handling
- Good abrasion resistance
- Designed to meet IEC-2 (safety factor 4:1)

APPLICATIONS & FLUIDS

- Professional water-cleaning machines
- Water, mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion

CONTINUOUS SERVICE TEMPERATURE RANGE

-10 °C, 15 °F

135 °C, 275 °F

TUBE

Water resistant synthetic rubber

REINFORCEMENT

Two high tensile steel braids

COVER

Environment resistant synthetic rubber

APPLICABLE SPECS

Manuli® Design

TYPE APPROVALS

CU-TR

SUPERJET PLUS (BLUE)

PRESSURE WASH - BLUE VERSION



TECHNICAL DATA

PART REF.	HOSE SIZE			R.O.D		O.D		MAX. W.P		BURST		MIN. BEND		WEIGHT		FITTINGS
	DN	dash	inch	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	g/m	lb/ft	Connection 1
A62008-04	6	-4	1/4"	12.7	0.50	14.7	0.58	400	5,800	1,600	23,200	55	2.17	365	0.25	Multifit
A62008-05	8	-5	5/16"	14.3	0.56	16.3	0.64	350	5,070	1,400	20,300	60	2.36	405	0.27	Multifit
A62008-06	10	-6	3/8"	15.0	0.59	16.8	0.66	330	4,780	1,320	19,140	65	2.56	390	0.26	Multifit
A62008-08	12	-8	1/2"	18.5	0.73	20.3	0.80	275	3,980	1,100	15,950	80	3.15	475	0.32	Multifit

KEY FEATURES

- Very high pressure resistance
- Lightness and flexibility
- Easy handling
- Good abrasion resistance
- Designed to meet IEC-2 (safety factor 4:1)

APPLICATIONS & FLUIDS

- Professional water-cleaning machines
- Water, mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion

CONTINUOUS SERVICE TEMPERATURE RANGE

-10 °C, 15 °F
135 °C, 275 °F

TUBE

Water resistant synthetic rubber

REINFORCEMENT

Two high tensile steel braids

COVER

Environment resistant synthetic rubber

APPLICABLE SPECS

Manuli® Design

TYPE APPROVALS

CU-TR

PROJET (BLACK)

PRESSURE WASH - BLACK VERSION



TECHNICAL DATA

PART REF.	HOSE SIZE			R.O.D		O.D		MAX. W.P		BURST		MIN. BEND		WEIGHT		FITTINGS
	DN	dash	inch	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	g/m	lb/ft	Connection 1
A62003-04	6	-4	1/4"	11.3	0.44	13.1	0.52	400	5,800	1,600	23,200	45	1.77	280	0.19	Multifit
A62003-05	8	-5	5/16"	12.9	0.51	14.6	0.57	400	5,800	1,600	23,200	100	3.94	315	0.21	Multifit
A62003-06	10	-6	3/8"	16.7	0.66	18.5	0.73	400	5,800	1,600	23,200	130	5.12	520	0.35	Multifit
A62003-08	12	-8	1/2"	19.8	0.78	21.8	0.86	350	5,070	1,400	20,300	178	7.01	660	0.44	Multifit

KEY FEATURES

- Very high pressure resistance
- Lightness and flexibility
- Easy handling
- Good abrasion resistance
- Designed to meet IEC-2 (safety factor 4:1)
- Skive fitting solution for maximum robustness in professional long lasting applications

APPLICATIONS & FLUIDS

- Professional water-cleaning machines
- Water, mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion

CONTINUOUS SERVICE TEMPERATURE RANGE

-10 °C, 15 °F

135 °C, 275 °F

TUBE

Water resistant synthetic rubber

REINFORCEMENT

Two high tensile steel braids

COVER

Environment resistant synthetic rubber

APPLICABLE SPECS

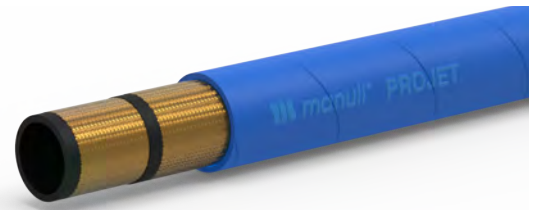
Manuli® Design

TYPE APPROVALS

CU-TR

PROJET (BLUE)

PRESSURE WASH - BLUE VERSION



TECHNICAL DATA

PART REF.	HOSE SIZE			R.O.D		O.D		MAX. W.P		BURST		MIN. BEND		WEIGHT		FITTINGS
	DN	dash	inch	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	g/m	lb/ft	Connection 1
A62004-04	6	-4	1/4"	11.3	0.44	13.1	0.52	400	5,800	1,600	23,200	45	1.77	275	0.18	Multifit
A62004-05	8	-5	5/16"	12.9	0.51	14.6	0.57	400	5,800	1,600	23,200	100	3.94	310	0.21	Multifit
A62004-06	10	-6	3/8"	16.7	0.66	18.5	0.73	400	5,800	1,600	23,200	130	5.12	520	0.35	Multifit
A62004-08	12	-8	1/2"	19.8	0.78	21.8	0.86	350	5,070	1,400	20,300	178	7.01	650	0.44	Multifit

KEY FEATURES

- Very high pressure resistance
- Lightness and flexibility
- Easy handling
- Good abrasion resistance
- Designed to meet IEC-2 (safety factor 4:1)
- Skive fitting solution for maximum robustness in professional long lasting applications

APPLICATIONS & FLUIDS

- Professional water-cleaning machines
- Water, mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion

CONTINUOUS SERVICE TEMPERATURE RANGE

-10 °C, 15 °F
135 °C, 275 °F

TUBE

Water resistant synthetic rubber

REINFORCEMENT

Two high tensile steel braids

COVER

Environment resistant synthetic rubber

APPLICABLE SPECS

Manuli® Design

TYPE APPROVALS

CU-TR

SUPERJET/F (BLACK)
PRESSURE WASH - BLACK VERSION



TECHNICAL DATA																
PART REF.	HOSE SIZE			R.O.D		O.D		MAX. W.P		BURST		MIN. BEND		WEIGHT		FITTINGS
	DN	dash	inch	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	g/m	lb/ft	Connection 1
A62018-06	10	-6	3/8"	15.0	0.59	16.8	0.66	525	7,613	1,320	19,145	90	3.54	390	0.26	Multifit

KEY FEATURES

- Very high pressure resistance
- Lightness and flexibility
- Easy handling
- Good abrasion resistance
- Designed to meet EN 1829-2 (safety factor 2,5:1)

APPLICATIONS & FLUIDS

- Professional water-cleaning machines
- Water, mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion

CONTINUOUS SERVICE TEMPERATURE RANGE

-10 °C, 15 °F
100 °C, 212 °F

TUBE

Water resistant synthetic rubber

REINFORCEMENT

Two high tensile steel braids

COVER

Weather resistant synthetic rubber

APPLICABLE SPECS

Manuli® Design, EN 1829-2

REMARKS:

- Short intermittent temperature peaks up to 135 °C.

SUPERJET/F (BLUE)

PRESSURE WASH - BLUE VERSION



TECHNICAL DATA

PART REF.	HOSE SIZE			R.O.D		O.D		MAX. W.P		BURST		MIN. BEND		WEIGHT		FITTINGS
	DN	dash	inch	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	g/m	lb/ft	Connection 1
A62022-06	10	-6	3/8"	15.0	0.59	16.8	0.66	525	7,613	1,320	19,145	90	3.54	390	0.26	Multifit

KEY FEATURES

- Very high pressure resistance
- Lightness and flexibility
- Easy handling
- Good abrasion resistance
- Designed to meet EN 1829-2 (safety factor 2,5:1)

APPLICATIONS & FLUIDS

- Professional water-cleaning machines
- Water, mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion

CONTINUOUS SERVICE TEMPERATURE RANGE

-10 °C, 15 °F

100 °C, 212 °F

TUBE

Water resistant synthetic rubber

REINFORCEMENT

Two high tensile steel braids

COVER

Weather resistant synthetic rubber

APPLICABLE SPECS

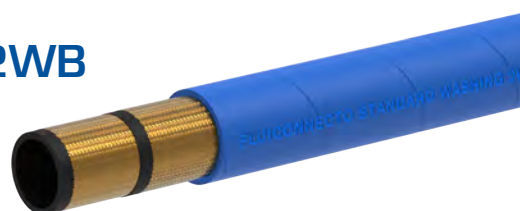
Manuli® Design, EN 1829-2

REMARKS:

- Short intermittent temperature peaks up to 135 °C.

FLUICONNECTO STANDARD WASHING 2WB

PRESSURE WASH - BLUE VERSION



TECHNICAL DATA

PART REF.	LENGHT	HOSE SIZE			O.D		MAX. W.P		BURST		MIN. BEND		WEIGHT		FITTINGS
		meters	DN	dash	inch	mm	inch	bar	psi	bar	psi	mm	inch	g/m	
A62012-05	10	8	-5	5/16"	16.3	0.64	350	5,070	1,400	20,300	60	2.36	405	0.27	Multifit
A62013-05	15	8	-5	5/16"	16.3	0.64	350	5,070	1,400	20,300	60	2.36	405	0.27	Multifit
A62014-05	20	8	-5	5/16"	16.3	0.64	350	5,070	1,400	20,300	60	2.36	405	0.27	Multifit
A62015-06	10	10	-6	3/8"	16.8	0.66	330	4,780	1,320	19,140	65	2.56	390	0.26	Multifit
A62016-06	15	10	-6	3/8"	16.8	0.66	330	4,780	1,320	19,140	65	2.56	390	0.26	Multifit
A62017-06	20	10	-6	3/8"	16.8	0.66	330	4,780	1,320	19,140	65	2.56	390	0.26	Multifit

KEY FEATURES

- Lightness and flexibility
- Easy handling
- Safety factor 4:1

APPLICATIONS & FLUIDS

- For water cleaning applications.
- Suitable for water and detergents in aqueous solutions.
- Not suitable for hydraulic applications.

CONTINUOUS SERVICE TEMPERATURE RANGE

-10 °C, 15 °F

135 °C, 275 °F

TUBE

Special synthetic rubber

REINFORCEMENT

Two high tensile steel wire braids

COVER

Blue synthetic special rubber, resistant to abrasion, oils, ozone and weathering



FLUICONNECTO STANDARD WASHING 2WB HOSE ASSEMBLIES

FOR HIGH PRESSURE CLEANING

All different types of hose assemblies are possible
 Contact your local Fluiconnecto representative for assembled hoses according to your specifications




Available standard lengths	10, 15, 20 mtr
Sizes	5/16" & 3/8"
Different Termination ends	BSP, Karcher, as required
Pre-cutted hose (bulk)	On required length

PRODUCT NAME	Hose Ø	WP	BURST	T°	Lenght	Connection 1	Connection 2
Examples of hose assemblies available. For other diameters, lengths and fittings, contact your local Fluiconnecto representative.	Inch	bar	bar	°C	m		
Fluiconnecto Standard Washing 2WB 5/16 10M 2/WCF 22	5/16	350	1400	135	10	B48001-05-22	B48001-05-22
Fluiconnecto Standard Washing 2WB 5/16 10M WCF-SFK 10	5/16	350	1400	135	10	B48001-05-22	B48005-05-10
Fluiconnecto Standard Washing 2WB 5/16 10M WCF-SFK 11	5/16	350	1400	135	10	B48001-05-22	B48005-05-11
Fluiconnecto Standard Washing 2WB 5/16 10M 2/Female BSP 3/8	5/16	350	1400	135	10	A97007-05-06	A97007-05-06
Fluiconnecto Standard Washing 2WB 5/16 10M Female BSP Male BSP 3/8	5/16	350	1400	135	10	A97007-05-06	A97001-05-06
Fluiconnecto Standard Washing 2WB 5/16 10M Female BSP Male BSPT 3/8	5/16	350	1400	135	10	A97007-05-06	A97003-05-06
Fluiconnecto Standard Washing 2WB 5/16 15M 2/WCF 22	5/16	350	1400	135	15	B48001-05-22	B48001-05-22
Fluiconnecto Standard Washing 2WB 5/16 15M WCF-SFK 10	5/16	350	1400	135	15	B48001-05-22	B48005-05-10
Fluiconnecto Standard Washing 2WB 5/16 15M 2/Female BSP 3/8	5/16	350	1400	135	15	A97007-05-06	A97007-05-06
Fluiconnecto Standard Washing 2WB 5/16 15M Female BSP Male BSP 3/8	5/16	350	1400	135	15	A97007-05-06	A97001-05-06
Fluiconnecto Standard Washing 2WB 5/16 15M Female BSP Male BSPT 3/8	5/16	350	1400	135	15	A97007-05-06	A97003-05-06
Fluiconnecto Standard Washing 2WB 5/16 20M 2/WCF 22	5/16	350	1400	135	20	B48001-05-22	B48001-05-22
Fluiconnecto Standard Washing 2WB 5/16 20M WCF-SFK 10	5/16	350	1400	135	20	B48001-05-22	B48005-05-10
Fluiconnecto Standard Washing 2WB 5/16 20M WCF-SFK 11	5/16	350	1400	135	20	B48001-05-22	B48005-05-11
Fluiconnecto Standard Washing 2WB 5/16 20M 2/Female BSP 3/8	5/16	350	1400	135	20	A97007-05-06	A97007-05-06
Fluiconnecto Standard Washing 2WB 5/16 20M Female BSP Male BSP 3/8	5/16	350	1400	135	20	A97007-05-06	A97001-05-06
Fluiconnecto Standard Washing 2WB 5/16 20M Female BSP Male BSPT 3/8	5/16	350	1400	135	20	A97007-05-06	A97003-05-06
Fluiconnecto Standard Washing 2WB 3/8 10M 2/WCF 22	3/8	330	1320	135	10	B48001-06-22	B48001-06-22
Fluiconnecto Standard Washing 2WB 3/8 10M 2/Female BSP 3/8	3/8	330	1320	135	10	A97007-06-06	A97007-06-06
Fluiconnecto Standard Washing 2WB 3/8 10M Female BSP Male BSP 3/8	3/8	330	1320	135	10	A97007-06-06	A97001-06-06
Fluiconnecto Standard Washing 2WB 3/8 10M Female BSP Male BSPT 3/8	3/8	330	1320	135	10	A97007-06-06	A97003-06-06
Fluiconnecto Standard Washing 2WB 3/8 15M 2/WCF 22	3/8	330	1320	135	15	B48001-06-22	B48001-06-22
Fluiconnecto Standard Washing 2WB 3/8 15M 2/Female BSP 3/8	3/8	330	1320	135	15	A97007-06-06	A97007-06-06
Fluiconnecto Standard Washing 2WB 3/8 15M Female BSP Male BSP 3/8	3/8	330	1320	135	15	A97007-06-06	A97001-06-06
Fluiconnecto Standard Washing 2WB 3/8 15M Female BSP Male BSPT 3/8	3/8	330	1320	135	15	A97007-06-06	A97003-06-06
Fluiconnecto Standard Washing 2WB 3/8 20M 2/WCF 22	3/8	330	1320	135	20	B48001-06-22	B48001-06-22
Fluiconnecto Standard Washing 2WB 3/8 20M 2/Female BSP 3/8	3/8	330	1320	135	20	A97007-06-06	A97007-06-06
Fluiconnecto Standard Washing 2WB 3/8 20M Female BSP Male BSP 3/8	3/8	330	1320	135	20	A97007-06-06	A97001-06-06
Fluiconnecto Standard Washing 2WB 3/8 20M Female BSP Male BSPT 3/8	3/8	330	1320	135	20	A97007-06-06	A97003-06-06
Superjet/F 3/8 20M 2/WCF 22	3/8	350	1400	155	20	B48001-06-22	B48001-06-22
Superjet/F 3/8 20M 2/female BSP 3/8	3/8	350	1400	155	20	A97007-06-06	A97007-06-06

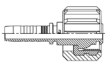






Given the importance of safety and performance when connected with any blasting application, this range has a complete, dedicated fittings range, whilst the safety factor (burst / working pressure) of 2,5:1 is compliant with international specifications (AS/NZ 4233.2, RMA-USA, ISO7751, BFPA-UK, EN 1829-2).

WATER CLEANING FITTINGS

MF2000® MULTIFIT TYPE FERRULE




APPEARANCE	CODE	DESCRIPTION	PAGE
	A96002	SKIVE FERRULE FOR WIRE BRAID HOSES	31
	A96008	SKIVE FERRULE FOR WIRE BRAID AND SPIRAL HOSES	31
	A96011	NO-SKIVE FERRULE FOR WIRE BRAID HOSES	31
	A96012	NO-SKIVE FERRULE FOR WIRE BRAID HOSES	32

MF2000® MULTIFIT TYPE INSERT

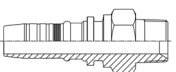
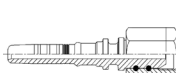
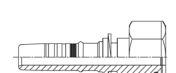
APPEARANCE	CODE	DESCRIPTION	PAGE
	B48001	WASH CLEANER FEMALE (ETK)	32
	B48006	STANDPIPE FITTING FOR WASHING (ELK)	32
	B48005	STANDPIPE FITTING FOR WASHING (ELK)	33
	A99010	FEMALE DIN CONE 60° FITTING	33
	A97003	BSP MALE TAPERED FITTING	34
	A97001	MALE BSP FITTING, CONE 60°	34
	A97006	FEMALE BSP FITTING, CONE 60°	35

WATER BLASTING FITTINGS

MF2000® BLASTLOCK TYPE FERRULE

APPEARANCE	CODE	DESCRIPTION	PAGE
	A75001	DOUBLE SKIVE FERRULE FOR HEAVY DUTY SPIRAL HOSES (4 PLY)	36
	B50006	DOUBLE SKIVE FERRULE FOR HEAVY DUTY SPIRAL HOSES (4 PLY)	36
	B50017	DOUBLE SKIVE FERRULE FOR EXTRA DUTY SPIRAL HOSES (6 PLY)	36

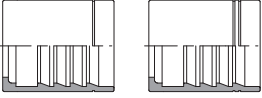

MF2000® BLASTLOCK TYPE INSERT

APPEARANCE	CODE	DESCRIPTION	PAGE
	B52002 E65004	NPTF MALE 60° CONE SEAT - SAE J516/J514	37
	B52003	BSP FEMALE 60° CONE (BS5200 - ISO 8434-6)	37
	B52004	METRIC O-RING FEMALE 24° CONE HEAVY DUTY - DIN 20066/ISO 12151-2 (SLIP-ON NUT)	38

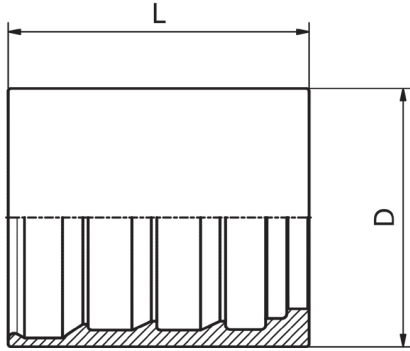
FITTINGS - STAINLESS STEEL

WATER CLEANING STAINLESS STEEL FITTINGS

30


APPEARANCE	CODE	DESCRIPTION	PAGE
	<p>B07005 B07009</p>	<p>STAINLESS STEEL 316L FERRULE FOR HOSE SUPERJET AND SUPERJETPLUS</p>	<p>39</p>
	<p>E86001</p>	<p>STAINLESS STEEL FEMALE FITTING FOR WASHING HOSE</p>	<p>39</p>

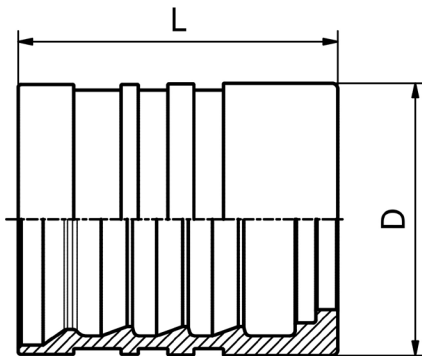
FITTINGS



SKIVE FERRULE FOR WIRE BRAID HOSES


MULTIFIT TYPE
FERRULE

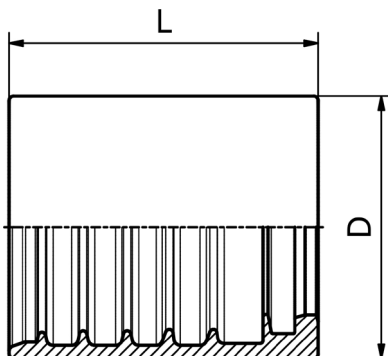
PART. REF.	HOSE BORE			DIMENSIONS mm							
	DN	Dash	inch			D	L				
 A96002-04	6	- 4	1/4"			19.5	28.0				
A96002-05	8	- 5	5/16"			20.0	28.6				



SKIVE FERRULE FOR WIRE BRAID AND SPIRAL HOSES


MULTIFIT TYPE
FERRULE

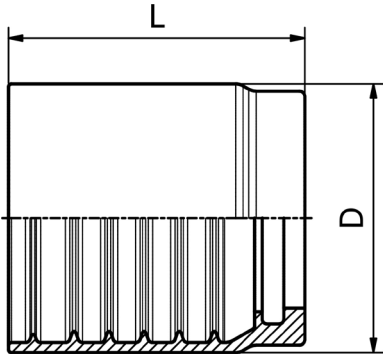
PART. REF.	HOSE BORE			DIMENSIONS mm							
	DN	Dash	inch			D	L				
 A96008-04	10	- 6	3/8"			26.0	33.0				
A96008-05	12	- 8	1/2"			30.0	34.0				



NO-SKIVE FERRULE FOR WIRE BRAID HOSES


MULTIFIT TYPE
FERRULE

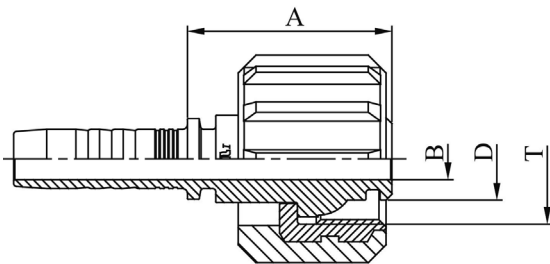
PART. REF.	HOSE BORE			DIMENSIONS mm							
	DN	Dash	inch			D	L				
 A96011-04	6	- 4	1/4"			20.5	27.5				
A96011-05	8	- 5	5/16"			22.8	28.5				
A96011-06	10	- 6	3/8"			25.0	30.0				
A96011-08	12	- 8	1/2"			28.0	33.0				



NO-SKIVE FERRULE FOR WIRE BRAID HOSES


MULTIFIT TYPE
FERRULE

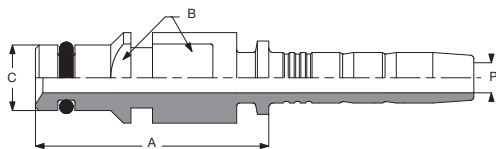
PART. REF.	HOSE BORE			DIMENSIONS mm							
	DN	Dash	inch			D	L				
 A96012-04	6	- 4	1/4"			23.0	30.1				
A96012-05	8	- 5	5/16"			24.0	30.0				
A96012-06	10	- 6	3/8"			26.0	31.1				
A96012-08	12	- 8	1/2"			29.0	34.0				
A96012-10	16	- 10	5/8"			33.0	37.0				
A96012-12	19	- 12	3/4"			37.0	42.0				



WASH CLEANER FEMALE (ETK)

MULTIFIT TYPE
CONNECTIONS - CLEANING


PART. REF.	HOSE BORE			Thread	DIMENSIONS mm						
	DN	Dash	inch	T		B	A	D			
 B48001-04-22	6	- 4	1/4"	M 22x1,5		4.0	34.0	13.9			
B48001-05-22	8	- 5	5/16"	M 22x1,5		5.5	34.0	13.9			
B48001-06-22	10	- 6	3/8"	M 22x1,5		7.0	34.5	13.9			

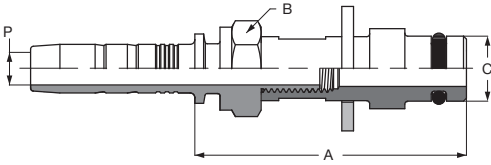


(**) end piece without hexagon

STANDPIPE FITTING FOR WASHING (ELK)

MULTIFIT TYPE
FITTING


PART. REF.	HOSE BORE			DIMENSIONS mm							
	DN	Dash	inch			A	B	C	P		
 B48006-04-09	6	- 4	1/4"			31,5	-	8,8	4,0		

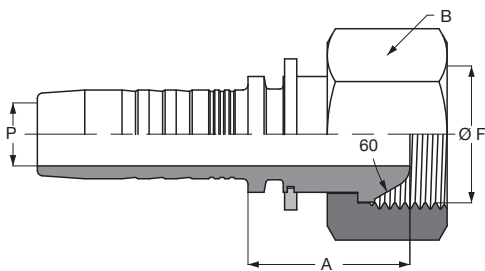


**STANDPIPE FITTING
FOR WASHING (ELK)**

(**) end piece without hexagon


MULTIFIT TYPE
FITTING

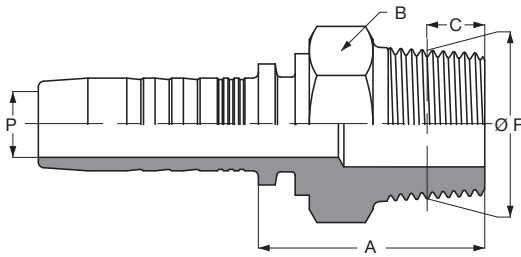
PART. REF.	HOSE BORE			DIMENSIONS mm							
	DN	Dash	inch	A	B	C	P				
 B48005-04-10	6	- 4	1/4	42,3	14,0	10,0	4,0				
B48005-04-11	6	- 4	1/4	46,3	14,0	11,0	4,0				
B48005-05-10	8	- 5	5/16	42,3	14,0	10,0	5,5				
B48005-05-11	8	- 5	5/16	46,3	14,0	11,0	5,5				



**FEMALE DIN CONE 60°
FITTING**


MULTIFIT TYPE
FITTING

PART. REF.	HOSE BORE			DIMENSIONS mm						
	DN	Dash	inch	A	B	C	P	Ø F - Thread		
 A99010-06-22	10	- 6	3/8	21,1	27,0		7,0	M22x1,50		
A99010-08-22	12	- 8	1/2	21,5	27,0		9,3	M22x1,50		

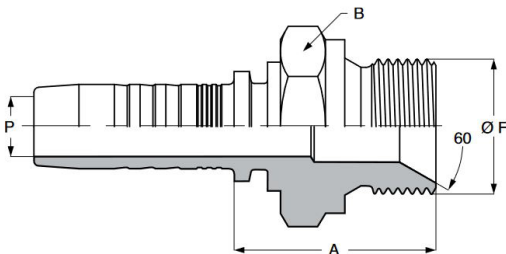


BSP MALE TAPERED FITTING

MULTIFIT TYPE FITTING


PART. REF.	HOSE BORE			DIMENSIONS mm						
	DN	Dash	inch	A	B	C	P	Ø F - Thread		
 A97003-04-02	6	- 4	1/4	21,0	12,0	3,9	4,0	1/8 - 28 f/p		
A97003-04-04	6	- 4	1/4	25,0	14,0	6,0	4,0	1/4 - 19 f/p		
A97003-04-06	6	- 4	1/4	26,0	19,0	6,3	4,0	3/8 - 19 f/p		
A97003-04-08	6	- 4	1/4	29,5	22,0	8,1	4,0	1/2 - 14 f/p		
A97003-05-04	8	- 5	5/16	26,0	16,0	6,0	5,5	1/4 - 19 f/p		
A97003-05-06	8	- 5	5/16	26,5	19,0	6,3	5,5	3/8 - 19 f/p		
A97003-05-08	8	- 5	5/16	30,0	22,0	8,1	5,5	1/2 - 14 f/p		
A97003-06-04	10	- 6	3/8	26,5	17,0	6,0	7,0	1/4 - 19 f/p		
A97003-06-06	10	- 6	3/8	27,1	19,0	6,3	7,0	3/8 - 19 f/p		
A97003-06-08	10	- 6	3/8	30,6	22,0	8,1	7,0	1/2 - 14 f/p		
A97003-08-04	12	- 8	1/2	26,0	19,0	6,0	9,3	1/4 - 19 f/p		
A97003-08-06	12	- 8	1/2	28,0	21,0	6,3	9,3	3/8 - 19 f/p		
A97003-08-08	12	- 8	1/2	31,1	22,0	8,1	9,3	1/2 - 14 f/p		

NOTE: Available in stainless steel version, upon request.

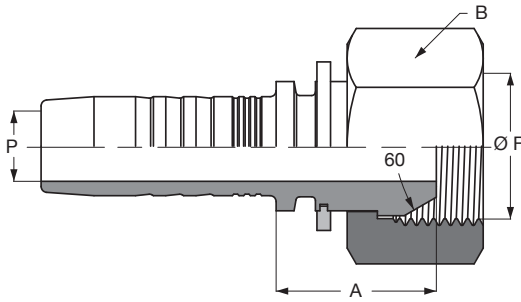


MALE BSP FITTING, CONE 60°

MULTIFIT TYPE FITTING


PART. REF.	HOSE BORE			DIMENSIONS mm						
	DN	Dash	inch	A	B	C	P	Ø F - Thread		
 A97001-04-02	6	- 4	1/4	22,5	14,0		4,0	1/8 - 28 f/p		
A97001-04-04	6	- 4	1/4	25,5	19,0		4,0	1/4 - 19 f/p		
A97001-04-06	6	- 4	1/4	27,0	22,0		4,0	3/8 - 19 f/p		
A97001-05-04	8	- 5	5/16	26,0	19,0		5,5	1/4 - 19 f/p		
A97001-05-06	8	- 5	5/16	27,5	22,0		5,5	3/8 - 19 f/p		
A97001-05-08	8	- 5	5/16	33,0	27,0		5,5	1/2 - 14 f/p		
A97001-06-04	10	- 6	3/8	25,0	17,0		7,0	1/4 - 19 f/p		
A97001-06-06	10	- 6	3/8	28,1	22,0		7,0	3/8 - 19 f/p		
A97001-06-08	10	- 6	3/8	30,6	27,0		7,0	1/2 - 14 f/p		
A97001-08-06	12	- 8	1/2	28,1	22,0		9,3	3/8 - 19 f/p		
A97001-08-08	12	- 8	1/2	31,1	27,0		9,3	1/2 - 14 f/p		
A97001-08-10	12	- 8	1/2	33,1	30,0		9,3	5/8 - 14 f/p		
A97001-08-12	12	- 8	1/2	34,1	32,0		9,3	3/4 - 14 f/p		

NOTE: Available in stainless steel version, upon request.

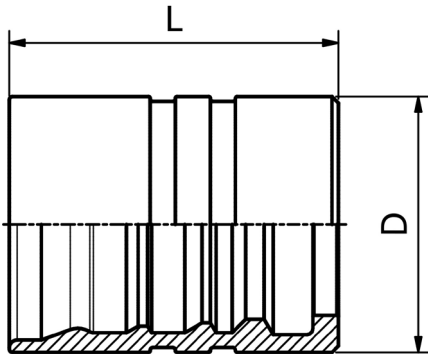


**FEMALE BSP CONE 60°
FITTING**

MULTIFIT TYPE FITTING


PART. REF.	HOSE BORE			DIMENSIONS mm							
	DN	Dash	inch	A	B	C	P	Ø F - Thread			
 A97006-04-02	6	- 4	1/4	15,5	14,0		4,0	1/8 - 28 f/p			
A97007-04-04	6	- 4	1/4	17,0	19,0		4,0	1/4 - 19 f/p			
A97007-04-06	6	- 4	1/4	19,1	22,0		4,0	3/8 - 19 f/p			
A97006-05-04	8	- 5	5/16	17,5	19,0		5,5	1/4 - 19 f/p			
A97007-05-06	8	- 5	5/16	19,1	22,0		5,5	3/8 - 19 f/p			
A97007-05-08	8	- 5	5/16	20,0	22,0		5,5	1/2 - 14 f/p			
A97006-06-04	10	- 6	3/8	18,1	19,0		7,0	1/4 - 19 f/p			
A97007-06-06	10	- 6	3/8	19,6	22,0		7,0	3/8 - 19 f/p			
A97007-06-08	10	- 6	3/8	20,0	27,0		7,0	1/2 - 14 f/p			
A97006-08-06	12	- 8	1/2	20,9	22,0		9,3	3/8 - 19 f/p			
A97007-08-08	12	- 8	1/2	20,4	27,0		9,3	1/2 - 14 f/p			
A97006-08-10	12	- 8	1/2	21,9	28,0		9,3	5/8 - 14 f/p			
A97006-08-12	12	- 8	1/2	23,4	32,0		9,3	3/4 - 14 f/p			

NOTE: Available in stainless steel version, upon request.

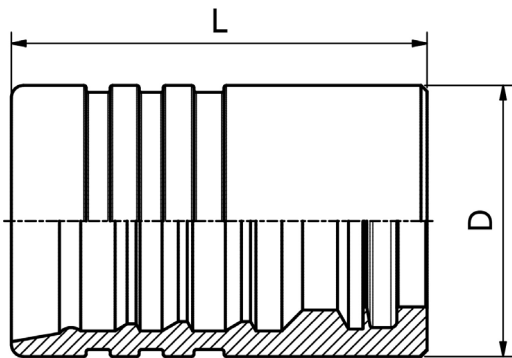


**DOUBLE SKIVE FERRULE
FOR HEAVY DUTY SPIRAL HOSES
(4 PLY)**

BLASTLOCK TYPE
FERRULE


PART. REF.	HOSE BORE			DIMENSIONS mm							
	DN	Dash	inch			D	L				
 A75001-16	25	-16	1"			48.0	64.5				

Note: Go to page 89 for assembling instructions.

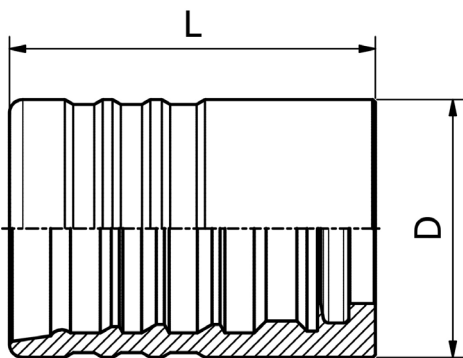


**DOUBLE SKIVE FERRULE
FOR EXTRA DUTY SPIRAL HOSES
(4 PLY)**

BLASTLOCK TYPE
FERRULE - BLASTING


PART. REF.	HOSE BORE			DIMENSIONS mm							
	DN	Dash	inch			D	L				
 B50006-06	10	- 6	3/8"			27.9	57.5				
B50006-08	12	- 8	1/2"			34.0	65.0				
B50006-12	19	-12	3/4"			45.1	69.0				

Note: Go to page 89 for assembling instructions.

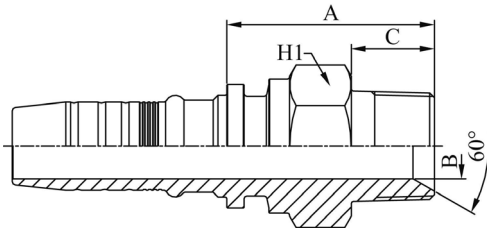


**DOUBLE SKIVE FERRULE
FOR EXTRA DUTY SPIRAL HOSES
(6 PLY)**

BLASTLOCK TYPE
FERRULE - BLASTING


PART. REF.	HOSE BORE			DIMENSIONS mm							
	DN	Dash	inch			D	L				
 B50017-08	12	-8	1/2"			38.3	64.4				
B50017-12	19	-12	3/4"			48.6	69.0				

Note: Go to page 89 for assembling instructions.



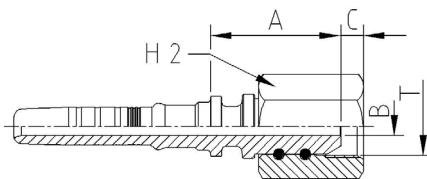
NPTF MALE 60° CONE SEAT - SAE J516/J514

BLASTLOCK TYPE
CONNECTIONS - BLASTING

PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm						
	DN	Dash	inch		T	B	A	C	H1		
 B52002-06-06	10	-6	3/8"	3/8" - 18	8.5	38.0	15.5	22.0			
B52002-08-08	12	-8	1/2"	1/2" - 14	10.0	44.5	21.0	27.0			
B52002-12-12	19	-12	3/4"	3/4" - 14	15.0	49.5	21.0	32.0			
E65004-16-16	25	-16	1"	1" - 11	19.5	55.0	24.2	41.0			


The BLASTLOCK fittings have to be used with the GOLDENBLAST hoses only, that are suggested for waterblasting applications. For hydraulic applications please refer to the dedicated fittings (ILP).

Note: Go to page 89 for assembling instructions.



BSP FEMALE 60° CONE (BS5200 - ISO 8434-6)

BLASTLOCK TYPE
CONNECTIONS - BLASTING

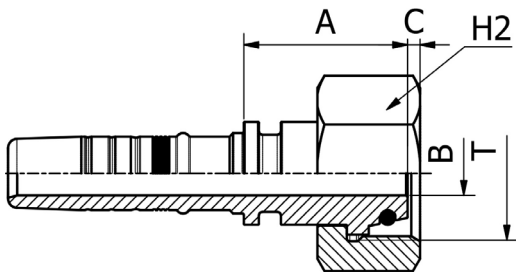
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm						
	DN	Dash	inch		T	B	A	C	H2		
 B52003-06-06	10	-6	3/8"	3/8" - 19	4.8	34.5	6.0	24.0			
B52003-08-08	12	-8	1/2"	1/2" - 14	9.0	37.0	6.5	30.0			
B52003-12-12	19	-12	3/4"	3/4" - 14	12.0	43.0	8.7	36.0			

The BLASTLOCK fittings have to be used with the GOLDENBLAST hoses only, that are suggested for waterblasting applications. For hydraulic applications please refer to the dedicated fittings (ILP).


"B" dimension does not comply with: BS5200 and ISO8434-6 spec.

Note: Go to page 89 for assembling instructions.

**METRIC O-RING FEMALE 24° CONE
HEAVY DUTY - DIN 20066/ISO
12151-2 (SLIP-ON NUT)**



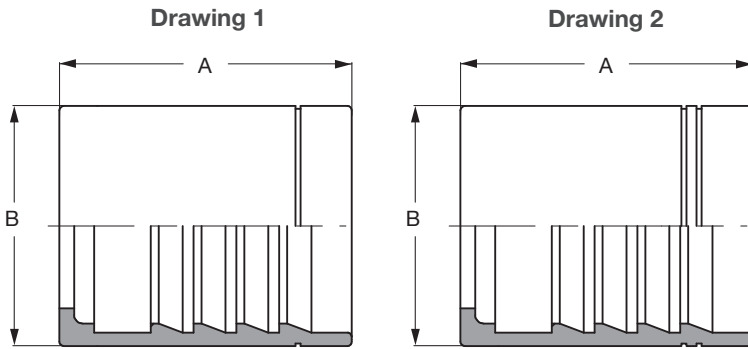
BLASTLOCK TYPE
CONNECTIONS - BLASTING

PART. REF.	HOSE BORE			THREAD	PIPE	DIMENSIONS mm						
	DN	Dash	inch			T	mm	B	A	C	H2	
 B52004-06-22	10	-6	3/8"	M 22 x 1.5	14	4.8	32.0	3.5	27.0			
B52004-06-24	10	-6	3/8"	m 24 x 1.5	16	6.3	34.0	4.0	32.0			
B52004-08-24	12	-8	1/2"	m 24 x 1.5	16	9.0	35.5	4.0	32.0			
B52004-12-36	19	-12	3/4"	m 36 x 2	25	12.0	44.5	3.4	46.0			
B52004-16-42	25	-16	1"	m 42 x 2	30	19.5	43.5	5.3	50.0			

The BLASTLOCK fittings have to be used with the GOLDENBLAST hoses only, that are suggested for waterblasting applications. For hydraulic applications please refer to the dedicated fittings (ILP).


Note: Go to page 89 for assembling instructions.

FITTINGS - STAINLESS STEEL

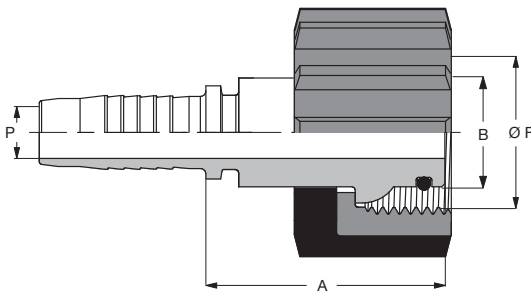


STAINLESS STEEL 316L FERRULE

FOR HOSE SUPERJET AND SUPERJETPLUS


PART. REF.	HOSE BORE												
	DN	Dash	inch	Hose Type	Drawing Reference	A	B						
B07005-04	6	- 4	1/4"	SUPERJET	1	34,5	20,0						
B07005-05	8	- 5	5/16"	SUPERJET	1	34,5	22,0						
B07009-05	8	- 5	5/16"	SUPERJETPLUS	2	34,5	24,0						
B07005-06	10	- 6	3/8"	SUPERJETPLUS	1	35,0	28,0						
B07005-08	12	- 8	1/2"	SUPERJETPLUS	1	37,0	32,0						

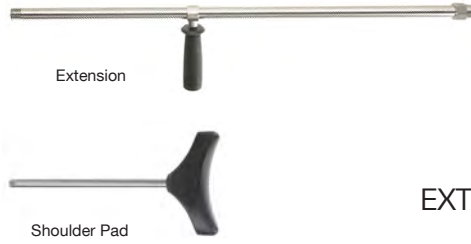
See crimping dimensions



STAINLESS STEEL FEMALE FITTING FOR WASHING HOS

FOR WASHING HOSE

PART. REF.	HOSE BORE			DIMENSIONS mm											
	DN	Dash	inch			A	B		P	Ø F - Thread					
E86001-04-22	6	- 4	1/4			34,0	14,0		4,000	M22x1,50					
E86001-05-22	8	- 5	5/16			34,0	14,0		5,500	M22x1,50					
E86001-06-22	10	- 6	3/8			34,0	14,0		7,000	M22x1,50					
E86001-08-22	13	- 8	1/2			34,0	14,0		9,500	M22x1,50					



GUN ML210 (200 BAR)

SOFT TOUCH RUBBER GRIP
INLET FEMALE GAS
EXTENSION AND SHOULDER SUPPORT

PART. REF.	PRODUCT NAME	WP	FLOW	T°	LENGHT	WEIGHT	INLET	OUTLET
		bar	l/mn	°C	mm	kg		
D33019-12-08	ML210 GUN G 3/4 F - G 1/2 200L/MIN	200	200	120	-	1,030	FG 3/4	FG 1/2
D33020	SHOULDER SUPPORT FOR ML GUNS	-	-	-	330	0,250	MG 1/4	-
D31227	L200 S/STEEL LANCE ML210-510 820MM	500	200	-	820	1,325	MG 1/2	FB 1/4
D31228	L200 S/STEEL LANCE ML210-510 1220MM	500	200	-	1220	2,040	MG 1/2	FB 1/4

NOTE: Consult the safety chart on page 82



SPRAY GUN ML 330 (207 BAR)


GUN
FEMALE INLET

PART. REF.	PRODUCT NAME	WP	FLOW	T°	LENGHT	WEIGHT	INLET	OUTLET
		bar	l/mn	°C	mm	kg		
D33000-04-06	SPRAY GUN ML330	207	30	150	-	0,43	FG 3/8	FG 1/4



GUN MV 925 WEEPING (280 BAR)


WEEPING GUN (FREEZE PROTECTION)
FEMALE INLET

PART. REF.	PRODUCT NAME	WP	FLOW	T°	LENGHT	WEIGHT	INLET	OUTLET
		bar	l/mn	°C	mm	kg		
D33031-06-04	GUN MV925 PLEUR - FG 3/8	280	30	160	-	0,456	FG 3/8	FG 1/4



GUN MV925 (280 BAR)


GUN, INLET FIXED MALE AND OUTLET FEMALE
GUN, SWIVEL INLET MALE AND FEMALE

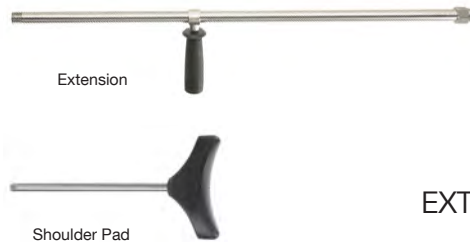
PART. REF.	PRODUCT NAME	WP	FLOW	T°	LENGHT	WEIGHT	INLET	OUTLET
		bar	l/mn	°C	mm	kg		
D33023-04-04	GUN MV925 - MBSP 1/4	280	30	160	-	0,497	MBSP 1/4	FG 1/4
D33021-06-04	GUN MV925 - MBSP 3/8	280	30	160	-	0,497	MBSP 3/8	FG 1/4
D33022-06-04	GUN MV925 - FG 3/8	280	30	160	-	0,456	FG 3/8	FG 1/4
D33024-22-04	GUN MV925 - MD 22	280	30	160	-	0,456	MD 22	FG 1/4
D33025-06-04	GUN MV925 - MBSP 3/8 ROTA	280	30	160	-	0,529	MBSP 3/8	FG 1/4
D33026-06-04	GUN MV925 - FG 3/8 ROTA	280	30	160	-	0,488	FG 3/8	FG 1/4
D33027-22-04	GUN MV925 - MD 22 ROTA	280	30	160	-	0,488	MD 22	FG 1/4



EASY PULL GUN (310 BAR)


MINIMUM STRAIN FOR OPENING
AND HOLDING THE TRIGGER
INLET AND OUTLET FEMALE

PART. REF.	PRODUCT NAME	WP	FLOW	T°	LENGHT	WEIGHT	INLET	OUTLET
		bar	l/mn	°C	mm	kg		
D33002-04-06	AL55 SPRAY GUN 3/8GM - 1/4GF	310	45	160	-	0,515	FG 3/8	FG 1/4
D33003-04-22	AL55 SPRAY GUN M22X1,5M-G1/4F 350B	310	45	160	-	0,562	MD 22	FG 1/4



GUN ML510 (500 BAR)

SOFT TOUCH RUBBER GRIP
INLET FEMALE GAS
EXTENSION AND SHOULDER SUPPORT

PART. REF.	PRODUCT NAME	WP	FLOW	T°	LENGHT	WEIGHT	INLET	OUTLET
		bar	l/mn	°C	mm	kg		
D33015-08-08	ML510 GUN	500	60	120	-	1,020	FG 1/2	FG 1/2
D33020	SHOULDER SUPPORT ML - LG330	-	-	-	330	0,250	MG 1/4	
D31227	L200 S/STEEL LANCE ML210-510 820MM	500	200	-	820	1,325	MG 1/2	FB 1/4
D31228	L200 S/STEEL LANCE ML210-510 1220MM	500	200	-	1220	2,040	MG 1/2	FB 1/4

NOTE: Consult the safety chart on page 82


Consult us for:

- Use with ceramic insert nozzles
- Higher pressure



LOW PRESSURE GUN LP12 (12 BAR)

BRASS BODY SWIVEL
FEMALE GAS INLET


PART. REF.	PRODUCT NAME	WP	FLOW	T°	LENGHT	WEIGHT	INLET	OUTLET
		bar	l/mn	°C	mm	kg		
D33014-08	LP12 GUN SWIVEL FEMALE 1/2" BSP	12	-	50	-	0,420	FG 1/2	-

EPDM Seal



LOW PRESSURE GUN LPX24 (24 BAR)

STAINLESS STEEL BODY
FEMALE GAS INLET


PART. REF.	PRODUCT NAME	WP	FLOW	T°	LENGHT	WEIGHT	INLET	OUTLET
		bar	l/mn	°C	mm	kg		
D33010-08	LPX24 G 1/2 F 24BAR WHITE	24	-	95	-	0,670	FG 1/2	-

EPDM Seal



**SPRAY GUN LANCE BIT 105
(186 BAR)**


FEMALE GAS INLET

PART. REF.	PRODUCT NAME	WP	FLOW	T°	LENGHT	WEIGHT	INLET	OUTLET
		bar	l/mn	°C	mm	kg		
D33028-06-22	MV925 GUN EXTENDED	186	30	60	-	0,480	FG 3/8	WCF 22x1,50



**SPRAY GUN LANCE MV925
+ EXTENSION (280 BAR)**


INLET MALE AND FEMALE

PART. REF.	PRODUCT NAME	WP	FLOW	T°	LENGHT	WEIGHT	INLET	OUTLET
		bar	l/mn	°C	mm	kg		
D33029-06-22	MV925 GUN EXTENDED	280	30	160	-	0,918	MBSP 3/8	WCF 22x1,50
D33030-22-22	MV925 GUN EXTENDED	280	30	160		0,877	FG 3/8	WCF 22x1,50
D33012-06-22	MV925 GUN EXTENDED	280	30	160		0,877	MD 22	WCF 22x1,50

EXTENSION

EXTENSION FOR SPRAY GUN



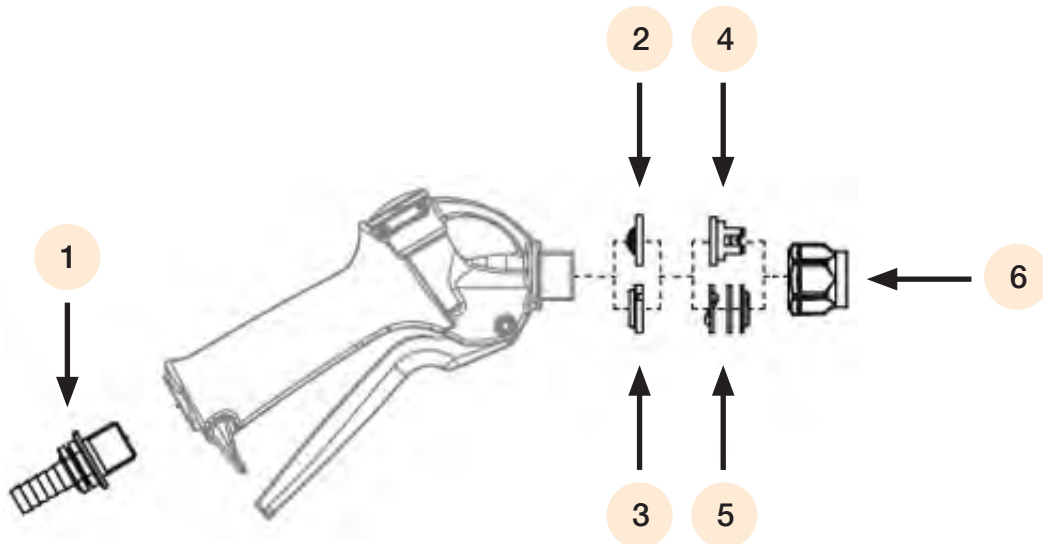
PART. REF.	PRODUCT NAME	WP	FLOW	T°	LENGHT	WEIGHT	INLET	OUTLET
		bar	l/mn	°C	mm	kg		
D31239	SCP PU SPRAY GUN EXTENSION	320	30	150	543	0,348	M22x1,50	FB 1/4



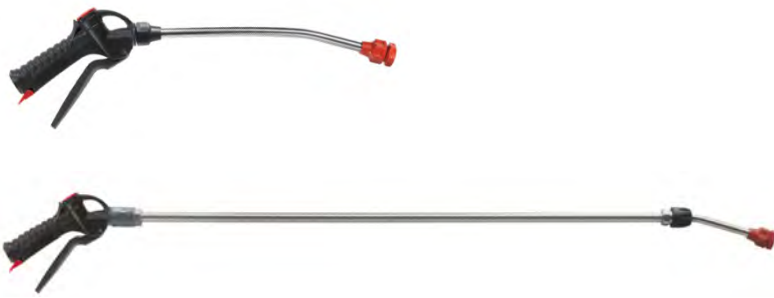
DETERGENT GUN (15/25 BAR)

INLET FEMALE GAS
VITON SEAL
GUN WITH EPDM SEAL ON REQUEST

PART. REF.	PRODUCT NAME	WP bar		FLOW l/mn	T° °C	LENGHT mm	WEIGHT kg	INLET
		Plastic nozzle	Metal nozzle					
D33013-08-08	JOLLY25HR RED G1/2F-G1/2M	15	25	30	50	-	0,250	FG1/2



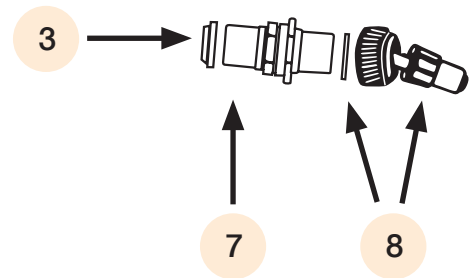
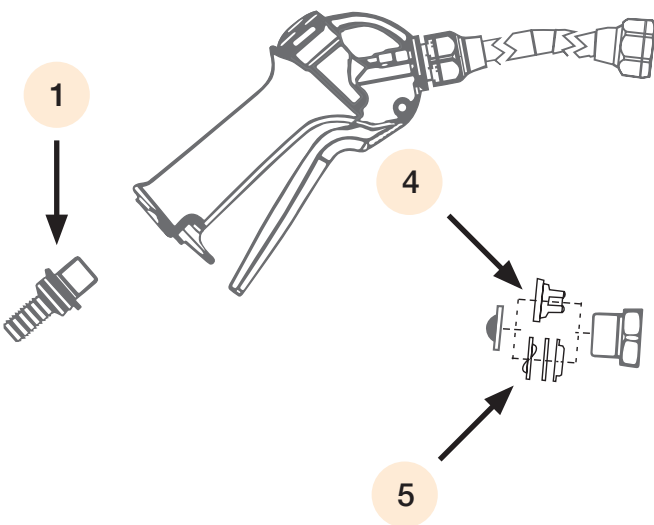
1. Fitting detergent gun (page 52)
2. Outler filter (page 53)
3. Seal adaptor pistolance (page 52)
4. Detergent nozzle (page 49)
5. Cone nozzle (page 50)
6. Nozzle holder (page 50)



GUN LANCE DETERGENT (15/25 BAR)

GUN LANCE FOR DETERGENT,
INLET FEMALE GAS
TELESCOPIC GUN LANCE FOR DETERGENT,
INLET FEMALE GAS

PART. REF.	PRODUCT NAME	WP bar		FLOW l/mn	T° °C	LENGHT mm	WEIGHT kg	INLET
		Plastic nozzle	Metal nozzle					
D33016-08	JOLLY25HR RED + S/S WAND L=600MM	15	25	30	50	-	0,333	FG1/2
D33017-08	JOLLY25HR RED + S/S WAND L=900MM	15	25	30	50	-	0,414	FG1/2
D33018-08	JOLLY25HR RED TELESCOPIC S/S L=1000-2000	15	25	30	50	-	0,990	FG1/2



Assembly: Detergent nozzle or cone nozzle

1. Gun lance fitting detergent (page 52)
4. Detergent nozzle (page 49)
5. Cone nozzle (page 50)


Assembly: Adjustable nozzle

3. Gun lance adaptor seal (page 52)
7. Adaptor for adjustable jet nozzle (page 51)
8. Adjustable jet nozzle (page 49)



DETERGENT P NOZZLE

PVC NOZZLE FOR
GUN LANCE DETERGENT

PART. REF.	PRODUCT NAME	WP	COLOR
		bar	
D31207	DETERGENT NOZZLE 80°/01 P	15	Orange
D31208	DETERGENT NOZZLE 80°/015 P	15	Green
D31201	DETERGENT NOZZLE 80°/02 P	15	Yellow
D31202	DETERGENT NOZZLE 80°/03 P	15	Blue
D31203	DETERGENT NOZZLE 80°/04 P	15	Red
D31204	DETERGENT NOZZLE 80°/05 P	15	Brown
D31205	DETERGENT NOZZLE 80°/06 P	15	Grey
D31206	DETERGENT NOZZLE 80°/08 P	15	White


NOTE: See diagram page 47/48, mark 4

Size nozzle determination: Table A1 (page 87)



ADJUSTABLE DETERGENT NOZZLE

ADJUSTABLE DETERGENT NOZZLE
(2 POSITIONS) FOR GUN LANCE DETERGENT

PART. REF.	PRODUCT NAME	COLOR	THREAD
			
D31222	ADJUSTABLE DETERGENT NOZZLE BLUE	Blue	11/16 - 16
D31223	ADJUSTABLE DETERGENT NOZZLE ORANGE	Orange	11/16 - 16

NOTE: See diagram page 48, mark 8

PRESSURE Position*	bar	2		3		4		7	
		A	B	A	B	A	B	A	B
Blue nozzle Flow (l/mm)	l/mm	1,7	4,4	2	5,3	2,3	6,1	3,1	8,1
Orange nozzle Flow (l/mm)	l/mm	0,91	3,1	1,1	3,5	1,3	4,2	1,6	5,3

*Position A : Spray cone jet


*Position B : Spray straight jet

DETERGENT



SS DETERGENT CONE NOZZLE

STAINLESS STEEL CONE JET
FOR GUN LANCE DETERGENT

PART. REF.	PRODUCT NAME	WP
		bar
D31197	CONICAL NOZZLE 1,2MM 80°	25
D31240	CONICAL NOZZLE 1,5MM 80°	25
D31198	CONICAL NOZZLE 1,8MM 80°	25
D31199	CONICAL NOZZLE 2,0MM 80°	25
D31196	CONICAL NOZZLE S/S 1MM 80°	25

NOTE: See diagram page 47/48, mark 5



P DETERGENT NOZZLE HOLDER

PVC NOZZLE HOLDER
FOR GUN LANCE DETERGENT
FEMALE GAS


PART. REF.	PRODUCT NAME	THREAD
		
D31200	NOZZLE HOLDER JOLLY 25	FG 1/2

NOTE: See diagram page 48, mark 6



DETERGENT ADAPTOR M P

ADAPTOR MALE - MALE
PVC FOR DETERGENT ADJUSTABLE NOZZLE JET


PART. REF.	PRODUCT NAME	THREAD	THREAD
			
E39009	ADA DETERG M 1/2 - M 11/16 P	M 1/2	M 11/16

NOTE: See diagram page 48, mark 7



DETERGENT ADAPTOR P

ADAPTOR FEMALE - FEMALE
PVC FOR DETERGENT

PART. REF.	PRODUCT NAME	THREAD	THREAD
			
E39007-08-08	SOCKET G1/2F-G1/2F FOR JOLLY25	FG 1/2	FG 1/2

DETERGENT



CSP M DETERGENT

PVC FITTING
FOR GUN LANCE DETERGENT

PART. REF.	PRODUCT NAME	DN	THREAD
			
B48003-10-08	PLASTIC HOSEBARB KIT 10MM	10	M 1/2
B48003-13-08	PLASTIC HOSEBARB KIT 13MM	13	M 1/2
B48003-16-08	PLASTIC HOSEBARB KIT 16MM	16	M 1/2
B48003-20-08	PLASTIC HOSEBARB KIT 20MM	20	M 1/2

NOTE: See diagram page 47/48, mark 1



DETERGENT GUN ADAPTOR

SEAL FOR GUN ADAPTOR
FOR DETERGENT


PART. REF.	PRODUCT NAME	THREAD
		
D79535	GASKET KIT FOR JOLLY 25	-

NOTE: See diagram page 47/48, mark 3



DETERGENT OUTER FILTER

DETERGENT OUTER FILTER
FOR DETERGENT GUN LANCE

PART. REF.	PRODUCT NAME	FILER DEGREE
		μ
D31209	DETERGENT OUTER FILTER	300

NOTE: See diagram page 47, mark 2



VITON SEAL


PART. REF.	PRODUCT NAME	THREAD
		
D79534	BLACK VITON GUOR KIT FOR JOLLY 25	-

LANCES AND EXTENSIONS

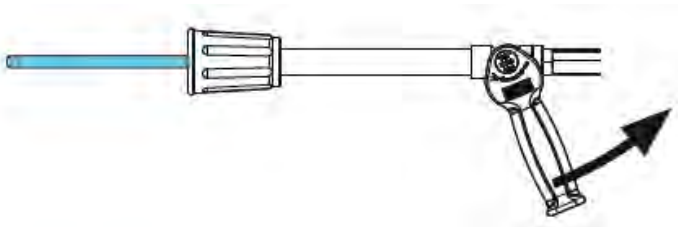


GUN LANCE AL 55 (220 BAR)

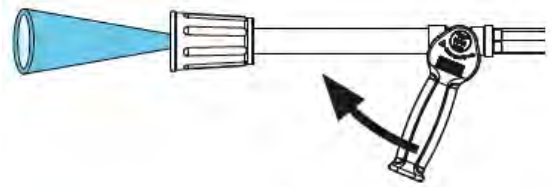
GUN LANCE
INLET FEMALE GAS
STAINLESS STEEL TUBE

PART. REF.	PRODUCT NAME	WP	FLOW	T°	LENGHT	WEIGHT	INLET	OUTLET
		bar	l/mn	°C	mm	kg		
D31226	VARIABLE SPRAY LANCE W. AL55 GUN	220	45	90	-	1,600	FG 3/8	15x1,00

NOTE: Sold without nozzle



Straight Nozzle




Conical Jet



SS LANCE LM25

LANCE FOR GUN
INLET MALE
STAINLESS STEEL TUBE

PART. REF.	PRODUCT NAME	WP MAX	FLOW	T°	LENGHT	WEIGHT	INLET	OUTLET
		bar	l/mn	°C	mm	kg		
D31232	LM25 WAND R 1/4M 250BAR	250	-	90	561	1,000	M 1/4	15x1,00


LANCES AND EXTENSIONS

54



AL55 GUN LANCE NOZZLE

NOZZLE FOR GUN LANCES
BRASS
CERAMIC

PART. REF.	PRODUCT NAME	JET	Ø NOZZLE	WEIGHT	LOCATION
			mm	kg	
D31213	SPARE NOZZLE FOR SPRAY GUNS - Ø 1.0 mm	028	1,0	0,018	M15x1,0
D31214	SPARE NOZZLE FOR SPRAY GUNS - Ø 1.2 mm	04	1,2	0,018	M15x1,0
D31215	SPARE NOZZLE FOR SPRAY GUNS - Ø 1.5 mm	053	1,5	0,018	M15x1,0
D31216	SPARE NOZZLE FOR SPRAY GUNS - Ø 1.8 mm	08	1,8	0,018	M15x1,0
D31217	SPARE NOZZLE FOR SPRAY GUNS - Ø 2.0 mm	10	2,0	0,018	M15x1,0
D31218	SPARE NOZZLE FOR SPRAY GUNS - Ø 2.3 mm	13	2,3	0,018	M15x1,0
D31219	SPARE NOZZLE FOR SPRAY GUNS - Ø 2.5 mm	15	2,5	0,018	M15x1,0
D31220	SPARE NOZZLE FOR SPRAY GUNS - Ø 3.0 mm	20	3,0	0,018	M15x1,0
D31221	SPARE NOZZLE FOR SPRAY GUNS - Ø 3.5 mm	27	3,5	0,018	M15x1,0


NOTE: Determination chart page 82

LANCES AND EXTENSIONS



LANCE SF12/SF40


LANCE HANDLE MOULDED
INLET MALE GAS CONICAL
STEEL AND STAINLESS STEEL
HANDLE FOR HANDLE AND EXTENSION TUBE 1/4"

PART. REF.	PRODUCT NAME	WP	FLOW	T°	LENGHT	LENGHT PROTECTION	WEIGHT	INLET	OUTLET
		bar	l/mn	°C	mm	mm	kg		
D31163	SF12 Z.PLANCE 500 MM BENT	310	40	150	500	270	0,405	MC 1/4	FB 1/4
D31164	SF12 Z.PLANCE 700 MM BENT	310	40	150	700	270	0,548	MC 1/4	FB 1/4
D31165	SF12 Z.PLANCE 900MM BENT	310	40	150	900	270	0,652	MC 1/4	FB 1/4
D31180	SF40 LANCE 500 MM S/S - BENT	310	40	160	500	350	0,504	MC 1/4	FB 1/4
D31193	SF40 LANCE 700 MM S/S - BENT	310	40	160	700	350	0,584	MC 1/4	FB 1/4
D31177	SF40 S/S BENT LANCE 900MM + PU	310	40	160	900	500	0,734	MC 1/4	FB 1/4
D31178	SF40 LANCE 1200 MM S/S - BENT	310	40	160	1200	500	0,859	MC 1/4	FB 1/4
D31181	F40 LANCE 1500 MM S/S - BENT	310	40	160	1500	500	0,989	MC 1/4	FB 1/4
D31182	F40 LANCE 1800 MM S/S - BENT	310	40	160	1800	500	1,109	MC 1/4	FB 1/4
D31179	F40 LANCE 2000 MM S/S - BENT	310	40	160	2000	500	1,209	MC 1/4	FB 1/4
D31187	LANCE HANDLE 13MM	-	-	-	-	-	0,120	MC 1/4	FB 1/4



LANCE S3/L35/L 35 SS


INSULATING RECTANGULAR HANDLE
INLET MALE GAS, CONICAL
STEEL AND STAINLESS STEEL

PART. REF.	PRODUCT NAME	WP	FLOW	T°	LENGHT	LENGHT PROTECTION	WEIGHT	INLET	OUTLET
		bar	l/mn	°C	mm	mm	kg		
D31186	L35 LANCE 500 MMBENT Z.PSTEEL	250	40	160	500	-	0,550	MC 1/4	FB 1/4
D31183	L35+PU LANCE R1/4M-1/4NPTF 700MM	310	45	160	700	360	0,588	MC 1/4	FB 1/4
D31184	L35+PU LANCE R1/4M-1/4NPTF 900MM	310	45	160	900	360	0,698	MC 1/4	FB 1/4
D31185	L35+PU LANCE R1/4M-1/4NPTF 1200MM	310	45	160	1200	720	0,950	MC 1/4	FB 1/4
D31229	L35+PU LANCE - SS - R1/4M-1/4NPTF 700MM	310	45	160	700	360	0,588	MC 1/4	FB 1/4
D31230	L35+PU LANCE - SS - R1/4M-1/4NPTF 900MM	310	45	160	900	360	0,698	MC 1/4	FB 1/4
D31231	L35+PU LANCE - SS - R1/4M-1/4NPTF 1200MM	310	45	160	1200	720	0,950	MC 1/4	FB 1/4



DOUBLE LANCE PVC L35/L35 SS


DOUBLE LANCE, INSULATING HANDLE
MALE GAS CONICAL INLET
DOUBLE LANCE, INSULATING HANDLE
MALE GAS CONICAL INLET, STAINLESS STEEL

PART. REF.	PRODUCT NAME	WP	FLOW	T°	LENGHT	WEIGHT	INLET	OUTLET
		bar	l/mn	°C	mm	kg		
D31194	LDP-L35 DUAL LANCE R1/4M-1/4NPTF	250	40	150	1019	1,380	MC 1/4	2xFB 1/4
D31195	LD-L35 DUAL LANCE R1/4M-1/8NPTF	250	40	150	1019	1,320	MC 1/4	2xFB 1/4



TELESCOPIC LANCE


BELT FOR TELESCOPIC LANCE

PART. REF.	PRODUCT NAME	WP	FLOW	T°	LENGHT	WEIGHT	INLET	OUTLET
		bar	l/mn	°C	mm	kg		
D31211	TELESCOPIC WAND LT 1980-5490MM	250	30	93	198 - 549	3,900	AR2	AR1
D31212	TELESCOPING WAND 7,3 M FIBERGLASS	250	30	93	274 - 732	4,800	AR2	AR1
D33011	BELT KIT SUPPORT FOR WANDS	-	-	-				



BENT CANE

BENT CANE FOR TELESCOPIC LANCE



PART. REF.	PRODUCT NAME	WP MAX	FLOW	T°	LENGHT	WEIGHT	INLET	OUTLET
		bar	l/mn	°C	mm	kg		
D31210	GUTTER CLEANER QUICK COUPLING 1/4"	250	30	93		0,300	M22x1,50	AR1

LANCES AND EXTENSIONS

AR1 NOZZLE

FOR TELESCOPIC LANCE




PART. REF. 15°	PART. REF. 25°	PRODUCT NAME	WP	JET
			bar	
D31002	D31003	NOZZLE AR1/LANCE TELESCOPIC 035	310	035
D31028	D31033	NOZZLE AR1/LANCE TELESCOPIC 04	310	04
D31029	D31034	NOZZLE AR1/LANCE TELESCOPIC 045	310	045
D31030	D31035	NOZZLE AR1/LANCE TELESCOPIC 05	310	05
D31031	D31036	NOZZLE AR1/LANCE TELESCOPIC 055	310	055



INSULATING LANCE L35 SS

INSULATING RECTANGULAR HAND LANCE
INLET MALE GAS STAINLESS STEEL

PART. REF.	PRODUCT NAME	WP	FLOW	T°	LENGHT	WEIGHT	INLET	OUTLET
		bar	l/mn	°C	mm	kg		
D31190	L35 LANCE GRIP	310	45	160	380	0,380	mc 1/4	fg 1/4


LANCES AND EXTENSIONS

58



EXTENSION SS

EXTENSION
INLET/OUTLET MALE GAS
STAINLESS STEEL
FOR LANCE AND EXTENSION TUBE 1/4"

PART. REF.	PRODUCT NAME	WP	FLOW	T°	LENGHT	WEIGHT	INLET	OUTLET
		bar	l/mn	°C	mm	kg		
D31170	STAINLESS STEEL PIPE 340MM	310	45	340		0,180	MC 1/4	MC 1/4
D31169	S/STEEL PIPE MM. 500 MM	310	45	500		0,270	MC 1/4	MC 1/4
D31171	STAINLESS STEEL PIPE 700MM	310	45	700		0,364	MC 1/4	MC 1/4
D31000	S/STEEL PIPE MM. 900 DWG. MV112 04A	310	45	900		0,468	MC 1/4	MC 1/4
D31187	LANCE HANDLE 13MM	-	-	-		0,120	-	-


LANCES AND
EXTENSIONS

ADAPTOR AND COUPLINGS



MD – FI BRASS


MALE DIN – FEMALE ISO
BRASS

PART. REF.	PRODUCT NAME	WP	FLOW	T°
		bar	l/mn	°C
E39000-22-22	COUPLING ARF M22X1.5 SHORT	250	40	160



MDCT - MDCT

MALE DIN - MALE DIN
BRASS
MALE DIN - MALE DIN
STEEL

PART. REF.	PRODUCT NAME	WP	FLOW	T°
		bar	l/mn	°C
E39004-22-22	MDCT 22 - MDCT 22 L	250	40	160
B99132-22-22	MDCT 22 - MDCT 22	250	40	160,0


ADAPTOR AND COUPLINGS

60



MD - MBSPT BRASS/ MD - FG L

MALE DIN - MALE BSPT
BRASS
MALE DIN - FEMALE GAS
BRASS


PART. REF.	PRODUCT NAME	WP	FLOW	T°
		bar	l/mn	°C
E39001-22-04	MD 22 - MC 1/4 L	250	40	150
E39001-22-06	MD 22 - MC 3/8 L	250	40	150
E39001-22-08	MD 22 - MC 1/2 L	250	40	150
E39000-22-04	MD 22 - FG 1/4 L	250	40	150
E39000-22-06	MD 22 - FG 3/8 L	250	40	150
E39000-22-08	MD 22 - FG 1/2 L	250	40	150

ADAPTORS
AND COUPLINGS



MD - MBSPT EXTENDED BRASS/ MD - FG EXTENDED BRASS

MALE DIN - MALE GAS EXTENDED
BRASS
MALE DIN - FEMALE GAS EXTENDED
BRASS


PART. REF.	PRODUCT NAME	WP	FLOW	T°
		bar	l/mn	°C
E39008-22-04	MD 22 - MC 1/4 EXTENDED L	310	40	160
E39008-22-06	MD 22 - MC 3/8 EXTENDED L	310	40	160
E39002-22-04	MD 22 - FG 1/4 EXTENDED L	310	40	160
E39002-22-06	MD 22 - FG 3/8 EXTENDED L	310	40	160



**WASH CLEANER FEMALE – MBSPT B/
WASH CLEANER FEMALE – FEMALE
GAS B**

SWIVEL NUT FEMALE – MALE BSPT
BRASS

SWIVEL NUT FEMALE – FEMALE GAS
BRASS


PART. REF.	PRODUCT NAME	WP	FLOW	T°
		bar	l/mn	°C
F04003-22-04	WCF 22 - MC 1/4 L	250	40	150
F04003-22-06	WCF 22 - MC 3/8 L	250	40	150
F04003-22-08	WCF 22 - MC 1/2 L	250	40	150
F04002-22-04	WCF 22 - FG 1/4 L	250	40	150
F04002-22-06	WCF 22 - FG 3/8 L	250	40	150
F04002-22-08	WCF 22 - FG 1/2 L	250	40	150



**WASH CLEANER FEMALE – MBSPT
EXTENDED B./ WASH CLEANER
FEMALE – FEMALE GAS EXTENDED B**

SWIVEL NUT FEMALE – MALE BSPT EXTENDED
BRASS

SWIVEL NUT FEMALE – FEMALE GAS EXTENDED
BRASS

PART. REF.	PRODUCT NAME	WP	FLOW	T°
		bar	l/mn	°C
F04007-22-04	WCF 22 - MC 1/4 EXTENSION L	310	40	160
F04007-22-06	WCF 22 - MC 3/8 EXTENSION L	310	40	160
F04006-22-04	WCF 22 - FG 1/4 EXTENSION L	310	40	160
F04006-22-06	WCF 22 - FG 3/8 EXTENSION L	310	40	160


ADAPTOR AND COUPLINGS

62



MD - MBSPT BRASS/ MD - FG L

SWIVEL NUT FEMALE - MALE DIN
ROTATING UNDER PRESSURE, BRASS
SWIVEL NUT FEMALE - MALE BSPT
ROTATING UNDER PRESSURE, BRASS


PART. REF.	PRODUCT NAME	WP	FLOW	T°
		bar	l/mn	°C
F71005-04-22	ROTATING JOINT WCF 22-MC1/4 L	450	40	150

ADAPTORS
AND COUPLINGS



MALE GAS 1/2 MALE GAS - MBSPT B/ MALE GAS - FEMALE GAS B


MALE GAS 1/2 CYLINDRICAL - MALE GAS
BRASS
MALE GAS 1/2 CYLINDRICAL - FEMALE GAS
BRASS

PART. REF.	PRODUCT NAME	WP	FLOW	T°
		bar	l/mn	°C
F04036-08-04	MG 1/2 - MC 1/4 L	250	40	150
F04036-08-06	MG 1/2 - MC 3/8 L	250	40	150
F04035-08-04	MG 1/2 - FG 1/4 L	250	40	150
F04035-08-06	MG 1/2 - FG 3/8 L	250	40	150



SWIVEL FEMALE GAS – MBSPT B/ SWIVEL FEMALE GAS B


SWIVEL NUT GAS 1/2 - MALE GAS
BRASS
SWIVEL NUT GAS 1/2 - FEMALE GAS
BRASS

PART. REF.	PRODUCT NAME	WP	FLOW	T°
		bar	l/mn	°C
F04001-08-04	ETG 1/2 - MC 1/4 L	250	40	150
F04001-08-06	ETG 1/2 - MC 3/8 L	250	40	150
F04000-08-04	ETG 1/2 - FG 1/4 L	250	40	150
F04000-08-06	ETG 1/2 - FG 3/8 L	250	40	150



FLOW REGULATOR


FLOW REGULATOR
TAPERED MALE GAS – FEMALE GAS
BRASS

PART. REF.	PRODUCT NAME	WP	FLOW	T°
		bar	l/mn	°C
D32008	FLOW REGULATOR - MF 1/4 L	250	40	160



SWIVEL ADAPTOR MALE BSPT – FEMALE GAS B


SWIVEL ADAPTOR WITHOUT PRESSURE
MALE GAS – FEMALE GAS
BRASS

PART. REF.	PRODUCT NAME	WP	FLOW	T°
		bar	l/mn	°C
F71002-06-06	SWIVEL ADAPTOR - MF 3/8 L	220	30	150



ROTATING ADAPTOR MALE – FEMALE B


ROTATING ADAPTOR UNDER PRESSURE
MALE GAS – FEMALE GAS
BRASS

PART. REF.	PRODUCT NAME	WP	FLOW	T°
		bar	l/mn	°C
F71000-04-04	ROTATING ADAPTOR - MF 1/4 L	310	40	160
F71000-06-06	ROTATING ADAPTOR - MF 3/8 L	310	40	160
F71000-08-08	ROTATING ADAPTOR - MF 1/2 L	310	40	160



ROTATING ADAPTOR MALE – FEMALE SS


ROTATING ADAPTOR UNDER PRESSURE
MALE GAS – FEMALE GAS
STAINLESS STEEL

PART. REF.	PRODUCT NAME	WP	FLOW	T°
		bar	l/mn	°C
F71001-04-04	ROTATING ADAPTOR - MF 1/4 I	360	40	160
F71001-06-06	ROTATING ADAPTOR - MF 3/8 I	360	40	160



CHECK VALVE FEMALE GAS SS

CHECK VALVE
FEMALE GAS
STAINLESS STEEL

PART. REF.	PRODUCT NAME	WP	FLOW	T°
		bar	l/mn	°C
D02001-04-04	CAR FG 1/4 I	500	25	90
D02001-06-06	CAR FG 3/8 I	500	40	90
D02002-08-08	CAR FG 1/2 I	640	80	90


ADAPTOR AND COUPLINGS

66



CPLM / CPLF AR1

FREE FLOW COUPLING MALE
STEEL
FREE FLOW COUPLING FEMALE
BRASS


PART. REF.	PRODUCT NAME	WP	FLOW	T°
		bar	l/mn	°C
F04026-11-04	CPLM AR1 - FB 1/4	250	40	150
F04023-11-04	CPLF AR1 - FG 1/4 L	250	40	150

ADAPTORS
AND COUPLINGS



CPLM / CPLF AR2

FREE FLOW COUPLING MALE
STEEL
FREE FLOW COUPLING FEMALE
BRASS


PART. REF.	PRODUCT NAME	WP	FLOW	T°
		bar	l/mn	°C
F04018-15-06	CPLM AR2 - FG 3/8	250	40	90
F04012-15-06	CPLF AR2 - FG 3/8 L	250	40	90

ADAPTOR AND COUPLINGS



CPLM FG / CPLF FG CG


FREE FLOW MALE COUPLING
INTERCHANGEABLE GROM
FREE FLOW FEMALE COUPLING
INTERCHANGEABLE GROM

PART. REF.	PRODUCT NAME	WP	FLOW	T°
		bar	l/mn	°C
E70021-04-04	CPLM FG 1/4 CG	350	-	-30 / +110
E70021-06-06	CPLM FG 3/8 CG	350	-	-30 / +110
E70021-08-08	CPLM FG 1/2 CG	350	-	-30 / +110
E70022-04-04	CPLF FG 1/4 CG	350	-	-30 / +110
E70022-06-06	CPLF FG 3/8 CG	350	-	-30 / +110
E70022-08-08	CPLF FG 1/2 CG	350	-	-30 / +110



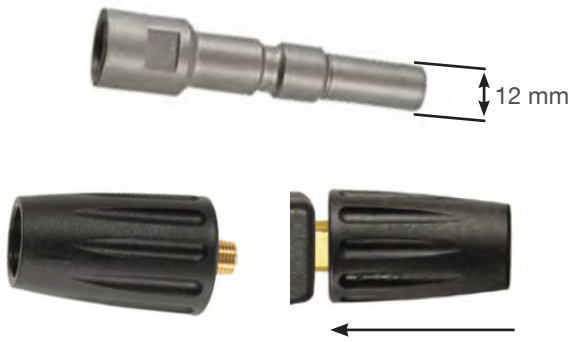
ROTATING ADAPTOR MALE - FEMALE SS 90°

ROTATING ADAPTOR UNDER PRESSURE 90°
MALE GAS - FEMALE GAS
STAINLESS STEEL

PART. REF.	PRODUCT NAME	WP	FLOW	T°
		bar	l/mn	°C
F71004-04-04	ROTA ADAPTOR - MF 1/4 90° SS	250	45	160
F71004-06-06	ROTA ADAPTOR - MF 3/8 90° SS	250	45	160


ADAPTOR AND COUPLINGS

68



CPLM AR4 I / CPLF AR4 L






FREE FLOW MALE COUPLING
STAINLESS STEEL
FREE FLOW FEMALE COUPLING
BRASS

PART. REF.	PRODUCT NAME	WP	FLOW	T°
		bar	l/mn	°C
F04038	CPLM AR4 - FG 1/4 I	220	45	150
F04031	CPLF AR4 - MC 1/4 L	200	45	150

ADAPTORS
AND COUPLINGS

HP NOZZLES
INOX

HIGH PRESSURE NOZZLE
MALE NPT
STAINLESS STEEL

HIGH PRESSURE NOZZLE	PART. REF.	PRODUCT NAME	SPRINKLER	WP	WEIGHT
[Ceramic, please ask]				bar	kg
	D31004	HP NOZZLE 0°/03 - MB 1/4 I	03	310	0,016
	D31038	HP NOZZLE 0°/035 - MB 1/4 I	035	310	0,016
	D31039	HP NOZZLE 0°/04 - MB 1/4 I	04	310	0,016
	D31040	HP NOZZLE 0°/045 - MB 1/4 I	045	310	0,016
	D31041	HP NOZZLE 0°/05 - MB 1/4 I	05	310	0,016
	D31042	HP NOZZLE 0°/055 - MB 1/4 I	055	310	0,016
	D31043	HP NOZZLE 0°/06 - MB 1/4 I	06	310	0,016
	D31044	HP NOZZLE 0°/065 - MB 1/4 I	065	310	0,016
	D31045	HP NOZZLE 0°/07 - MB 1/4 I	07	310	0,016
	D31047	HP NOZZLE 0°/08 - MB 1/4 I	08	310	0,016
D31049	HP NOZZLE 0°/09 - MB 1/4 I	09	310	0,016	
	D31005	HP NOZZLE 15°/02 - MB 1/4 I	02	310	0,016
	D31051	HP NOZZLE 15°/03 - MB 1/4 I	03	310	0,016
	D31052	HP NOZZLE 15°/035 - MB 1/4 I	035	310	0,016
	D31053	HP NOZZLE 15°/04 - MB 1/4 I	04	310	0,016
	D31054	HP NOZZLE 15°/045 - MB 1/4 I	045	310	0,016
	D31055	HP NOZZLE 15°/05 - MB 1/4 I	05	310	0,016
	D31056	HP NOZZLE 15°/055 - MB 1/4 I	055	310	0,016
	D31057	HP NOZZLE 15°/06 - MB 1/4 I	06	310	0,016
	D31058	HP NOZZLE 15°/065 - MB 1/4 I	065	310	0,016
	D31059	HP NOZZLE 15°/07 - MB 1/4 I	07	310	0,016
	D31060	HP NOZZLE 15°/08 - MB 1/4 I	08	310	0,016
D31061	HP NOZZLE 15°/09 - MB 1/4 I	09	310	0,016	
	D31006	HP NOZZLE 25°/02 MB 1/4 I			
	D31062	HP NOZZLE 25°/03 - MB 1/4 I	03	310	0,016
	D31063	HP NOZZLE 25°/035 - MB 1/4 I	035	310	0,016
	D31064	HP NOZZLE 25°/04 - MB 1/4 I	04	310	0,016
	D31065	HP NOZZLE 25°/045 - MB 1/4 I	045	310	0,016
	D31066	HP NOZZLE 25°/05 - MB 1/4 I	05	310	0,016
	D31067	HP NOZZLE 25°/055 - MB 1/4 I	055	310	0,016
	D31068	HP NOZZLE 25°/06 - MB 1/4 I	06	310	0,016
	D31069	HP NOZZLE 25°/065 - MB 1/4 I	065	310	0,016
	D31070	HP NOZZLE 25°/07 - MB 1/4 I	07	310	0,016
D31071	HP NOZZLE 25°/08 - MB 1/4 I	08	310	0,016	
D31072	HP NOZZLE 25°/09 - MB 1/4 I	09	310	0,016	
	D31007	HP NOZZLE 40°/03 - MB 1/4 I	03	310	0,016
	D31075	HP NOZZLE 40°/035 - MB 1/4 I	035	310	0,016
	D31076	HP NOZZLE 40°/04 - MB 1/4 I	04	310	0,016
	D31077	HP NOZZLE 40°/045 - MB 1/4 I	045	310	0,016
	D31078	HP NOZZLE 40°/05 - MB 1/4 I	05	310	0,016
	D31079	HP NOZZLE 40°/055 - MB 1/4 I	055	310	0,016
	D31080	HP NOZZLE 40°/06 - MB 1/4 I	06	310	0,016
	D31081	HP NOZZLE 40°/065 - MB 1/4 I	065	310	0,016
	D31082	HP NOZZLE 40°/07 - MB 1/4 I	07	310	0,016
	D31083	HP NOZZLE 40°/08 - MB 1/4 I	08	310	0,016
	D31084	HP NOZZLE 40°/09 - MB 1/4 I	09	310	0,016

ROTATING NOZZLE





ROTATING NOZZLE
FEMALE GAS

HIGH PRESSURE NOZZLE	PART. REF.	PRODUCT NAME	SPRINKLER	COLOR	WP	T°	WEIGHT	LOCATION
[Ceramic, please ask]					bar	C°	kg	
 280 b Ceramic insert	D31112	ROTATING NOZZLE TPL 028 - FG 1/4	028	LILAC	280,000	90	0,18	FG 1/4
	D31113	ROTATING NOZZLE TPL 033 - FG 1/4	033	LIGHT GREEN	280,000	90	0,18	FG 1/4
	D31114	ROTATING NOZZLE TPL 04 - FG 1/4	04	DARK GREEN	280,000	90	0,18	FG 1/4
	D31115	ROTATING NOZZLE TPL 045 - FG1/4	045	OCHER	280,000	90	0,18	FG 1/4
	D31116	ROTATING NOZZLE TPL 053 - FG 1/4	053	LIGHT BROWN	280,000	90	0,18	FG 1/4
 350 b Ceramic insert	D31141	ROTATING NOZZLE TPR35 045 - FG 1/4	045	OCHER	350,000	90	0,575	FG 1/4
	D31142	ROTATING NOZZLE TPR35 05 - FG 1/4	05	AZURE BLUE	350,000	90	0,575	FG 1/4
	D31143	ROTATING NOZZLE TPR35 055 - FG 1/4	055	WHITE	350,000	90	0,575	FG 1/4
	D31144	ROTATING NOZZLE TPR35 06 - FG 1/4	06	PURPLE	350,000	90	0,575	FG 1/4
	D31145	ROTATING NOZZLE TPR35 065 - FG 1/4	065	DARK BROWN	350,000	90	0,575	FG 1/4
 500 b Tungsten carbur insert	D31155	NOZZLE ROTOJET 500 03 - FG 1/4 I	03	-	500,000	100	0,665	FG 1/4
	D31157	NOZZLE ROTOJET 500 04 - FG 1/4 I	04	-	500,000	100	0,665	FG 1/4
	D31158	NOZZLE ROTOJET 500 045 - FG 1/4I	045	-	500,000	100	0,665	FG 1/4
	D31159	NOZZLE ROTOJET 500 05 - FG 1/4 I	05	-	500,000	100	0,665	FG 1/4
	D31160	NOZZLE ROTOJET 500 055 - FG 1/4I	055	-	500,000	100	0,665	FG 1/4
	D31161	NOZZLE ROTOJET 500 06 - FG 1/4 I	06	-	500,000	100	0,665	FG 1/4
	D31162	NOZZLE ROTOJET 500 065 - FG 1/4I	065	-	500,000	100	0,665	FG 1/4

Determination Nozzle: Table F (TPR), G (TPL) - Page 89 and Table A (ROTOJET) pages 83 to 86)

RETRO JET NOZZLE
FEMALE GAS SS

RETRO JET NOZZLE
SEWER CLEANING
FEMALE GAS
STAINLESS STEEL

RETRO JET NOZZLE	PART. REF.	PRODUCT NAME	SPRINKLER	WP	RETRO JET NUMBER	FRONT JET NOZZLE NUMBER	WEIGHT
[Ceramic, please ask]							
	D30011	B3JR 04 - FG 1/8 I	04	310	3	-	0,006
	D30012	B3JR 045 - FG 1/8 I	045	310	3	-	0,006
	D30013	B3JR 055 - FG 1/8 I	055	310	3	-	0,006
	D30014	B3JR 065 - FG 1/8 I	065	310	3	-	0,006
	D30015	B3JR 1AV 04 - FG 1/8 I	04	310	3	1	0,006
	D30016	B3JR 1AV 045 - FG 1/8 I	045	310	3	1	0,006
	D30017	B3JR 1AV 055 - FG 1/8 I	055	310	3	1	0,006
	D30018	B3JR 1AV 065 - FG 1/8 I	065	310	3	1	0,006
	D30003	B3JR 04 - FG 1/4 I	04	310	3	-	0,011
	D30004	B3JR 045 - FG 1/4 I	045	310	3	-	0,011
	D30005	B3JR 055 - FG 1/4 I	055	310	3	-	0,011
	D30006	B3JR 065 - FG 1/4 I	065	310	3	-	0,011
	D30007	B3JR 1AV 04 - FG 1/4 I	04	310	3	1	0,011
	D30008	B3JR 1AV 045 - FG 1/4 I	045	310	3	1	0,011
	D30009	B3JR 1AV 055 - FG 1/4 I	055	310	3	1	0,011
	D30010	B3JR 1AV 065 - FG 1/4 I	065	310	3	1	0,011
	D30019	B3JR 04 - FG 3/8 I	04	310	3	-	0,044
	D30020	B3JR 045 - FG 3/8 I	045	310	3	-	0,044
	D30021	B3JR 055 - FG 3/8 I	055	310	3	-	0,044
	D30022	B3JR 065 - FG 3/8 I	065	310	3	-	0,044
	D30023	B3JR 1AV 04 - FG 3/8 I	04	310	3	1	0,044
	D30024	B3JR 1AV 045 - FG 3/8 I	045	310	3	1	0,044
	D30025	B3JR 1AV 055 - FG 3/8 I	055	310	3	1	0,044
	D30026	B3JR 1AV 065 - FG 3/8 I	065	310	3	1	0,044
D30027	B3JR 1AV 07 - FG 3/8 I	07	310	3	1	0,044	

Determination Nozzle: Table A - Pages 83 to 86

NOZZLES

72



NOZZLE T10P

VARIABLE ANGLE NOZZLE WITH BY-PASS
FEMALE GAS

PART. REF.	PRODUCT NAME	SPRINKLER	COLOR	WP	FLOW	T°	WEIGHT	LOCATION
				bar	l/mn	C°	kg	
D31234	NOZZLE T10P 025 - FG 1/4	025	RED	207	21	90	0,152	FG 1/4
D31236	NOZZLE T10P 03 - FG 1/4	03	YELLOW LEMON	207	21	90	0,152	FG 1/4
D31237	NOZZLE T10P 035 - FG 1/4	035	ORANGE	207	21	90	0,152	FG 1/4
D31238	NOZZLE T10P 042 - FG 1/4	042	BEIGE	207	21	90	0,152	FG 1/4

Determination Nozzle: Table C - Page 88

NOZZLES



RETRO JET NOZZLE MBSPT SS

RETRO JET NOZZLE
SEWER CLEANING
MALE GAS
STAINLESS STEEL


PART. REF.	PRODUCT NAME	SPRINKLER	WP	RETRO JET NUMBER	FRONT JET NOZZLE NUMBER	WEIGHT	LOCATION
			bar			kg	
D30007	RETRO JET NOZZLE - MC 1/4 I	04	250	3	1	0,03	MC 1/4

Determination Nozzle: Table A - Pages 83 to 86



ROTATIVE NOZZLE CANALISATION

ROTATIVE NOZZLE
3 BACK JETS
SEWER CLEANING
FEMALE GAS


PART. REF.	PRODUCT NAME	SPRINKLER	WP	T°	WEIGHT	LOCATION
			bar	C°	kg	
D30031	BR 3JAR 18-04	04	220	150	0,04	FG 1/8
D30032	BR 3JAR 18-05	05	220	150	0,04	FG 1/8
D30033	BR 3JAR 18-06	06	220	150	0,04	FG 1/8
D30028	BR 3JAR 14-04	04	220	150	0,062	FG 1/4
D30029	BR 3JAR 14-05	05	220	150	0,062	FG 1/4
D30030	BR 3JAR 14-06	06	220	150	0,062	FG 1/4
D30000	BR 3JAR 38-05	05	220	150	0,074	FG 3/8
D30001	BR 3JAR 38-06	06	220	150	0,074	FG 3/8
D30002	BR 3JAR 38-08	08	220	150	0,062	FG 3/8

Determination Nozzle: Table A - Pages 83 to 86



STEAM NOZZLE B


STEAM NOZZLE
FEMALE GAS
BRASS

PART. REF.	PRODUCT NAME	SPRINKLER	WP	T°	WEIGHT	LOCATION
			bar	C°	kg	
D31016	STEAM NOZZLE 05 - FG 1/4 L	05	100	130	0,135	FG 1/4

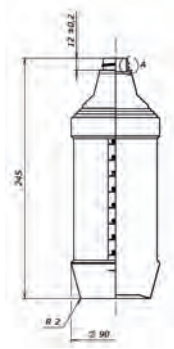


LP NOZZLE B

LOW PRESSURE NOZZLE
90° FLAT JET
MALE GAS TAPERED
BRASS


PART. REF.	PRODUCT NAME	SPRINKLER	WP	T°	WEIGHT	LOCATION
			bar	C°	kg	
D31018	NOZZLE BP 50°/60 - MC 1/4 L	060	50		0,014	MCc 1/4

Determination Nozzle: Table B - Page 87



“MOUSSE” GUN WITH “TANK” FEMALE GAS

“MOUSSE” GUN FL803
FL803 “TANK” - 1 LITTER

PART. REF.	PRODUCT NAME	PS	FLOW	T°	WEIGHT	CAPACITY	LOCATION
		bar	l/mn	°C	kg	litter	
D31233	FOAM LANCE FL803 NOZ.1,4MM	180	20	60	0,514	1	FG 1/4
D31241	BOTTLE FOR D31233A101						




MV18



DETERGENT

FILTER


PVC FILTER - FEMALE GAS
DETERGENT PLASTIC FILTER FOR 8 MM HOSE.
MV18

PART. REF.	PRODUCT NAME	WP	FLOW	T°	FILTERING POWER	WEIGHT	INLET	OUTLET
		bar	l/mn	°C	μ	kg		
D32003-08-08	MV18 SUCTION FILTER F1/2" BSP M1/2" BSP	10	30	60	297	0,247	FG 1/2	MC 1/2



PC

RUBBER HANDLE FOR
HIGH PRESSURE WASHING

PART. REF.	PRODUCT NAME
	
D31242-16	GRIP HEAVY 16 BLUE
D31242-18	GRIP HEAVY 18 BLUE
D31242-20	GRIP HEAVY 20 BLUE
D31242-22	GRIP HEAVY 22 BLUE
D31242-24	GRIP HEAVY 24 BLUE
D31243-16	GRIP HEAVY 16 BLACK
D31243-18	GRIP HEAVY 18 BLACK
D31243-20	GRIP HEAVY 20 BLACK




Nitrile Seal

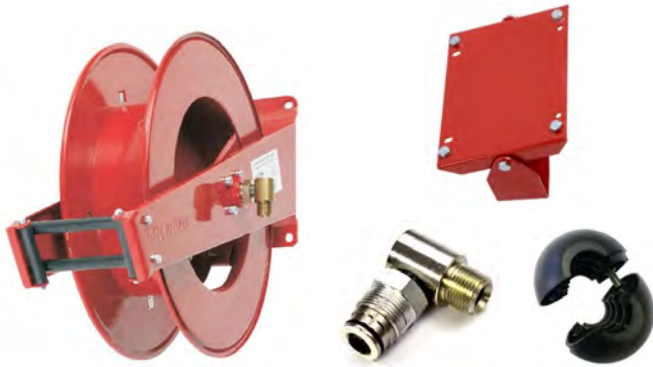
Viton Seal

**FEMALE WASHING K SEAL/
RING FEMALE WASHING K**

SEAL AND RING FOR
WASHING ACCESSORIES


“Anti-Extrusion” Seal

PART. REF.	PRODUCT NAME
	
D79186	JT WCF 22
D79536	JT SFK 10
D79537	JT SFK 11
E44100	BAE WCF 22
D79187	JT WCF 22 VITON
D79538	JT SFK 10 VITON
D79539	JT SFK 11 VITON



STEEL REELS


AUTOMATIC STEEL REEL WITH INLET ADAPTOR
WALL FIXING ROTATING PLATE
ADAPTOR - HOSE STOP

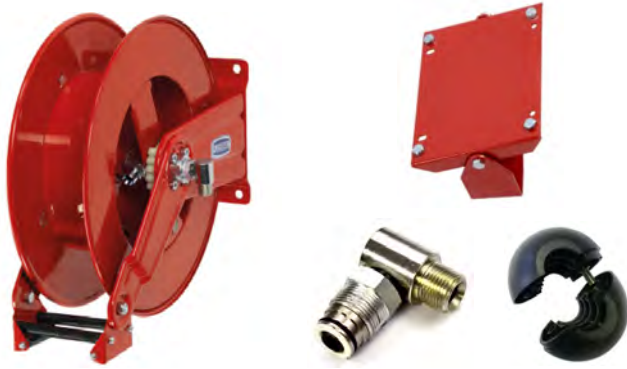
PART. REF.	PRODUCT NAME	*MAX LENGTH POSSIBLE FOR HOSE Ø	WP max	WEIGHT	INLET	OUTLET
			bar	kg		
D52005	STEEL REEL 15M *	1/2	600	13	M 1/2	F 1/2
D52006	STEEL REEL 20M *	1/2	600	18	M 1/2	F 1/2
D52007	STEEL REEL 25M *	3/8	600	19	M 1/2	F 1/2
D52013	WALL FIXING ROTATING PLATE 15M					
D52014	WALL FIXING ROTATING PLATE 20/25M					
E44098	ADA Male 1/2 90° steel reel		600		M 1/2	
D52017	HOSE STOP REEL DIAM 15					
D52018	HOSE STOP REEL DIAM 17					
D52019	HOSE STOP REEL DIAM 20					



STEEL REELS STAINLESS


AUTOMATIC STAINLESS STEEL 304L REEL
WITH INLET ADAPTOR
WALL FIXING ROTATING PLATE
ADAPTOR - HOSE STOP

PART. REF.	PRODUCT NAME	*MAX LENGTH POSSIBLE FOR HOSE Ø	WP max	WEIGHT	INLET	OUTLET
			bar	kg		
D52008	STAINLESS STEEL REEL 15M*	1/2	200	13	M 1/2	F 1/2
D52009	STAINLESS STEEL REEL 20M*	1/2	200	18	M 1/2	F 1/2
D52010	STAINLESS STEEL REEL 25M*	3/8	200	19	M 1/2	F 1/2
D52015	STAINLESS STEEL STAINLESS WALL FIXING ROTATING PLATE 15M					
D52016	STAINLESS WALL FIXING ROTATING PLATE 20/25M					
E44099	ADA MALE 1/2 90° STAINLESS STEEL REEL		200		M 1/2	
D52017	HOSE STOP REEL DIAM 15					
D52018	HOSE STOP REEL DIAM 17					
D52019	HOSE STOP REEL DIAM 20					



STEEL REEL ADJUSTABLE ARM


AUTOMATIC STEEL REEL
WITH INLET ADAPTOR
WALL FIXING ROTATING PLATE
ADAPTOR, HOSE STOP

PART. REF.	PRODUCT NAME	*MAX LENGTH POSSIBLE FOR HOSE Ø	WP max	WEIGHT	INLET	OUTLET
			bar	kg		
D52011	STEEL REEL 15M*	1/2	600	13,0	M 1/2	F 1/2
D52013	WALL FIXING ROTATING PLATE 15M					
E44098	ADA MALE ½ 90° STEEL REEL		600		M 1/2	
D52017	HOSE STOP REEL DIAM 15					
D52018	HOSE STOP REEL DIAM 17					
D52019	HOSE STOP REEL DIAM 20					



STAINLESS STEEL REEL ADJUSTABLE ARM


AUTOMATIC STAINLESS STEEL 304L REEL
WITH INLET ADAPTOR
WALL FIXING ROTATING PLATE
ADAPTOR, HOSE STOP

PART. REF.	PRODUCT NAME	*MAX LENGTH POSSIBLE FOR HOSE Ø	WP max	WEIGHT	INLET	OUTLET
			bar	kg		
D52012	STAINLESS STEEL REEL 15M*	1/2	200	13,0	M 1/2	F 1/2
D52015	STAINLESS STEEL WALL FIXING ROTATING PLATE 15M					
E44099	ADA MALE ½ 90° STAINLESS STEEL REEL		200		M 1/2	
D52017	HOSE STOP REEL DIAM 15					
D52018	HOSE STOP REEL DIAM 17					
D52019	HOSE STOP REEL DIAM 20					



ALUMINIUM MANUAL HOSE REEL

ALUMINIUM
MANUAL HOSE REEL

PART. REF.	PRODUCT NAME	WP	T°	WEIGHT	INLET
		bar	°C	kg	
D52004	ALUMINIUM MANUAL HOSE REEL	300	150	13,0	M 3/8


Hose capacity:

- For hose external diameter 15,0 mm : 100m
- For hose external diameter 16,8 mm : 80m
- For hose external diameter 17,8 mm : 75m
- For hose external diameter 19,5 mm : 58m



PLASTIC HOSE REEL

PLASTIC HOSE REEL

PART. REF.	PRODUCT NAME	WP	T°	WEIGHT	INLET
		bar	°C	kg	
D52001	PLASTIC HOSE REEL 10M	250	150	3,0	M 3/8
D52002	PLASTIC HOSE REEL 20M	250	150	4,5	M 3/8
D52003	PLASTIC HOSE REEL 40M	250	150	5,0	M 3/8

Admissible external max diameter = 20 mm



Handle without brush




Natural fibers



Synthetic fibers

BRUSH

CLEANING BRUSH
CLEANING BRUSH HANDLE
60% NATURAL + 40% SYNTHETIC

PART. REF.	PRODUCT NAME	FIBER LENGTH	WEIGHT	LOCATION
		mm	kg	
D32004	NATURAL FIBERS CLEANING BRUSH 65	65	0,523	FG 1/4
D32002	SYNTHETIC FIBERS CLEANING 60	60	0,400	FG 1/4
D31224	CLEANING BRUSH HANDLE LENGTH 900	-	0,732	M 1/4




Telescopic handle



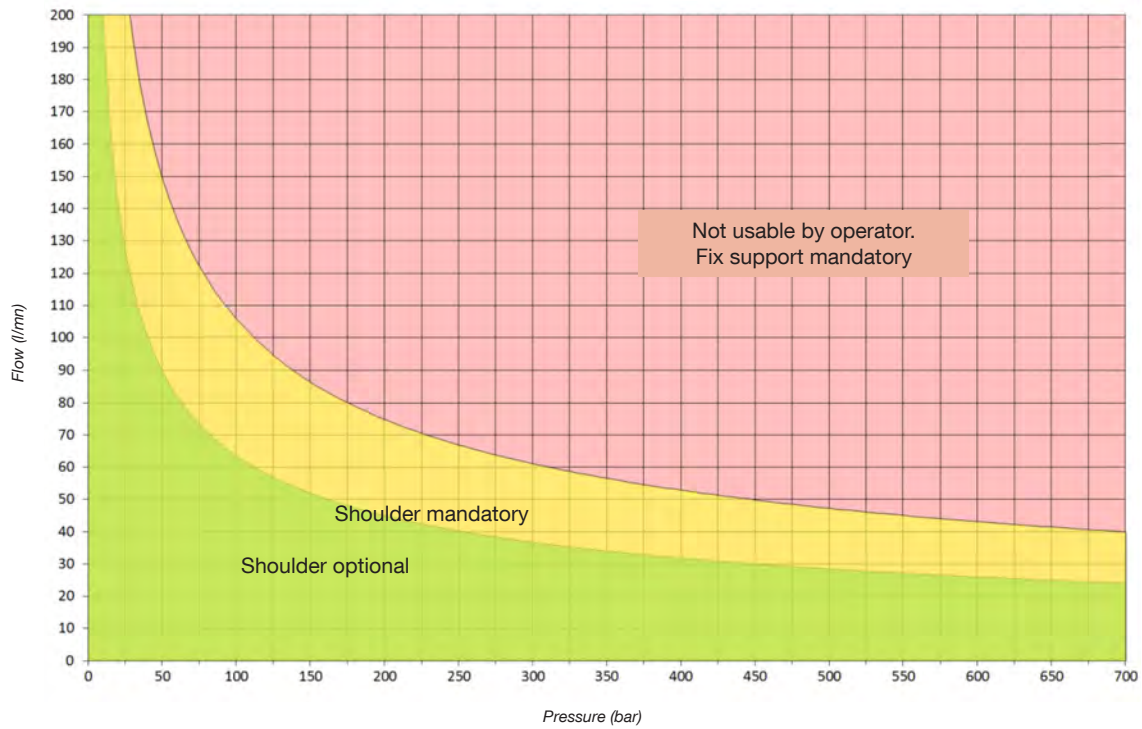
Soft synthetic fibers

WATER PASSAGE BRUSH

WATER PASSAGE BRUSH
TELESCOPIC HANDLE FOR WATER PASSAGE BRUSH

PART. REF.	PRODUCT NAME	T°	WEIGHT	FIBER LENGTH	MIN LENGTH	MAX LENGTH
		°C	kg	mm	mm	mm
D32022	WATER PASSAGE BRUSH L280	50	0,650	46	-	-
D31021	TELESCOPIC HANDLE FOR WATER PASSAGE BRUSH L280	50	-	-	1615	2840

SAFETY CHART FOR HIGH PRESSURE WASHING GUN



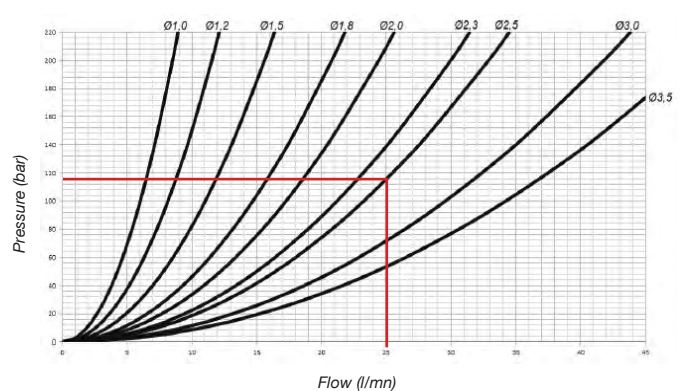
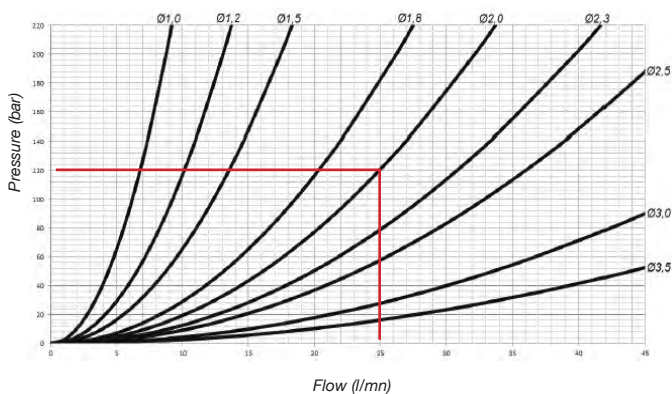
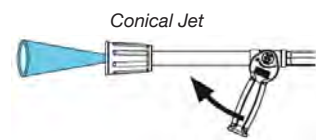
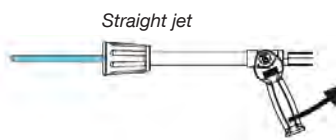
Norm EN 18929-1 (March 2010)

“water jet high pressure machine – safety prescription”

SPRAY NOZZLE DETERMINATION CHART

DETERMINE NOZZLE DIAMETER

Spot working pressure and flow of washing machine.
Hypothesis: WP 120 bar – flow 25l/mn.
Recommended nozzle is diameter 2 for straight jet and diameter 2,5 for conical jet.



DETERMINATION NOZZLE : TABLE A

DETERMINATE NOZZLE SIZE

Spot working pressure and flow of washing machine.

Hypothesis: WP 120 bar – flow 20l/mn.

Recommended nozzle is 08

	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	bar
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	MPa
	145	290	435	580	725	870	1015	1160	1305	1450	1595	1740	1885	2031	2176	psi
01	0,7	1,0	1,2	1,4	1,6	1,8	1,9	2,0	2,2	2,3	2,4	2,5	2,6	2,7	2,8	
015	1,1	1,5	1,9	2,2	2,4	2,6	2,9	3,1	3,2	3,4	3,6	3,7	3,9	4,0	4,2	
02	1,4	2,0	2,5	2,9	3,2	3,5	3,8	4,1	4,3	4,6	4,8	5,0	5,2	5,4	5,6	
022	1,6	2,2	2,7	3,2	3,5	3,9	4,2	4,5	4,8	5,0	5,3	5,5	5,7	5,9	6,1	
025	1,8	2,5	3,1	3,6	4,0	4,4	4,8	5,1	5,4	5,7	6,0	6,2	6,5	6,7	7,0	
028	2,0	2,9	3,5	4,0	4,5	4,9	5,3	5,7	6,1	6,4	6,7	7,0	7,3	7,6	7,8	
03	2,2	3,1	3,7	4,3	4,8	5,3	5,7	6,1	6,5	6,8	7,2	7,5	7,8	8,1	8,4	
033	2,4	3,4	4,1	4,8	5,3	5,8	6,3	6,7	7,1	7,5	7,9	8,2	8,6	8,9	9,2	
035	2,5	3,6	4,4	5,0	5,6	6,2	6,7	7,1	7,6	8,0	8,4	8,7	9,1	9,4	9,8	
037	2,7	3,8	4,6	5,3	6,0	6,5	7,1	7,5	8,0	8,4	8,8	9,2	9,6	10,0	10,3	
04	2,9	4,1	5,0	5,8	6,4	7,1	7,6	8,2	8,6	9,1	9,6	10,0	10,4	10,8	11,2	
042	3,0	4,3	5,2	6,1	6,8	7,4	8,0	8,6	9,1	9,6	10,0	10,5	10,9	11,3	11,7	
045	3,2	4,6	5,6	6,5	7,3	7,9	8,6	9,2	9,7	10,3	10,8	11,2	11,7	12,1	12,6	
05	3,6	5,1	6,2	7,2	8,1	8,8	9,5	10,2	10,8	11,4	12,0	12,5	13,0	13,5	14,0	
053	3,8	5,4	6,6	7,6	8,5	9,4	10,1	10,8	11,5	12,1	12,7	13,2	13,8	14,3	14,8	
055	4,0	5,6	6,9	7,9	8,9	9,7	10,5	11,2	11,9	12,5	13,1	13,7	14,3	14,8	15,4	l/mn
058	4,2	5,9	7,2	8,4	9,3	10,2	11,1	11,8	12,5	13,2	13,9	14,5	15,1	15,6	16,2	
06	4,3	6,1	7,5	8,6	9,7	10,6	11,4	12,2	13,0	13,7	14,3	15,0	15,6	16,2	16,8	
065	4,7	6,6	8,1	9,4	10,5	11,5	12,4	13,3	14,1	14,8	15,5	16,2	16,9	17,0	18,1	
07	5,0	7,1	8,7	10,1	11,3	12,4	13,3	14,3	15,1	16,0	16,7	17,5	18,2	18,9	19,5	
075	5,4	7,6	9,4	10,8	12,1	13,2	14,3	15,3	16,2	17,1	17,9	18,7	19,0	20,2	20,9	
08	5,8	8,2	10,0	11,5	12,9	14,1	15,3	16,3	17,3	18,2	19,1	20,0	20,8	21,6	22,3	
085	6,1	8,7	10,6	12,3	13,7	15,0	16,2	17,3	18,4	19,4	20,3	21,2	22,1	22,9	23,7	
09	6,5	9,2	11,2	13,0	14,5	15,9	17,2	18,3	19,5	20,5	21,5	22,5	23,4	24,3	25,1	
10	7,2	10,2	12,5	14,4	16,1	17,7	19,1	20,4	21,6	22,8	23,9	25,0	26,0	27,0	27,9	
11	7,9	11,2	13,7	15,9	17,7	19,4	21,0	22,4	23,8	25,1	26,3	27,5	28,6	29,7	30,7	
12	8,6	12,2	15,0	17,3	19,3	21,2	22,9	24,5	25,9	27,4	28,7	30,0	31,2	32,4	33,5	
15	10,8	15,3	18,7	21,6	24,2	26,5	28,6	30,6	32,4	34,2	35,9	37,5	39,0	40,5	41,9	
20	14,4	20,4	25,0	28,8	32,2	35,3	38,1	40,8	43,2	45,6	47,8	49,9	52,0	53,9	55,8	
25	18,0	25,5	31,2	36,0	40,3	44,1	47,7	51,0	54,1	57,0	59,8	62,4	65,0	67,4	69,8	

Tolerance ±4%

DETERMINATION NOZZLE : TABLE A

	160	170	180	190	200	210	220	230	240	250	260	270	276	280	290	bar
	16	17	18	19	20	21	22	23	24	25	26	27	27,6	28	29	Mpa
	2321	2466	2611	2756	2901	3046	3191	3336	3481	3626	3771	3916	4000	4061	4206	psi
01	2,9	3,0	3,1	3,1	3,2	3,3	3,4	3,5	3,5	3,6	3,7	3,7	3,8	3,8	3,9	
015	4,3	4,5	4,6	4,7	4,8	5,0	5,1	5,2	5,3	5,4	5,5	5,6	5,7	5,7	5,8	
02	5,8	5,9	6,1	6,3	6,4	6,6	6,8	6,9	7,1	7,2	7,4	7,5	7,6	7,6	7,8	
022	6,3	6,5	6,7	6,9	7,1	7,3	7,4	7,6	7,8	7,9	8,1	8,2	8,3	8,4	8,5	
025	7,2	7,4	7,6	7,9	8,1	8,3	8,5	8,6	8,8	9,0	9,2	9,4	9,5	9,5	9,7	
028	8,1	8,3	8,6	8,8	9,0	9,2	9,5	9,7	9,9	10,1	10,3	10,5	10,6	10,7	10,9	
03	8,6	8,9	9,2	9,4	9,7	9,9	10,1	10,4	10,6	10,8	11,0	11,2	11,4	11,4	11,6	
033	9,5	9,8	10,1	10,4	10,6	10,9	11,2	11,4	11,7	11,9	12,1	12,4	12,5	12,6	12,8	
035	10,1	10,4	10,7	11,0	11,3	11,6	11,8	12,1	12,4	12,6	12,9	13,1	13,2	13,3	13,6	
037	10,7	11,0	11,3	11,6	11,9	12,2	12,5	12,8	13,1	13,3	13,6	13,9	14,0	14,1	14,4	
04	11,5	11,9	12,2	12,6	12,9	13,2	13,5	13,8	14,1	14,4	14,7	15,0	15,1	15,3	15,5	
042	12,1	12,5	12,8	13,2	13,5	13,9	14,2	14,5	14,8	15,1	15,4	15,7	15,9	16,0	16,3	
045	13,0	13,4	13,8	14,1	14,5	14,9	15,2	15,6	15,9	16,2	16,5	16,9	17,0	17,2	17,5	
05	14,4	14,9	15,3	15,7	16,1	16,5	16,9	17,3	17,7	18,0	18,4	18,7	18,9	19,1	19,4	
053	15,3	15,8	16,2	16,7	17,1	17,5	17,9	18,3	18,7	19,1	19,5	19,9	20,1	20,2	20,6	
055	15,9	16,3	16,8	17,3	17,7	18,2	18,6	19,0	19,4	19,8	20,2	20,6	20,8	21,0	21,3	l/mn
058	16,7	17,2	17,7	18,2	18,7	19,2	19,6	20,1	20,5	20,9	21,3	21,7	22,0	22,1	22,5	
06	17,3	17,8	18,3	18,9	19,3	19,8	20,3	20,7	21,2	21,6	22,1	22,5	22,7	22,9	23,3	
065	18,7	19,3	19,9	20,4	21,0	21,5	22,0	22,5	23,0	23,4	23,9	24,3	24,6	24,8	25,2	
07	20,2	20,8	21,4	22,0	22,6	23,1	23,7	24,2	24,7	25,2	25,7	26,2	26,5	26,7	27,2	
075	21,6	22,3	22,9	23,6	24,2	24,8	25,4	25,9	26,5	27,0	27,6	28,1	28,4	28,6	29,1	
08	23,1	23,8	24,5	25,1	25,8	26,4	27,0	27,7	28,3	28,8	29,4	30,0	30,3	30,5	31,1	
085	24,5	25,3	26,0	26,7	27,4	28,1	28,7	29,4	30,0	30,6	31,2	31,8	32,2	32,4	33,0	
09	25,9	26,7	27,5	28,3	29,0	29,7	30,4	31,1	31,8	32,4	33,1	33,7	34,1	34,3	34,9	
10	28,8	29,7	30,6	31,4	32,2	33,0	33,8	34,6	35,3	36,0	36,8	37,5	37,9	38,1	38,8	
11	31,7	32,7	33,6	34,6	35,5	36,3	37,2	38,0	38,8	39,6	40,4	41,2	41,6	42,0	42,7	
12	34,6	35,7	36,7	37,7	38,7	39,6	40,6	41,5	42,4	43,2	44,1	44,9	45,4	45,8	46,6	
15	43,2	44,6	45,9	47,1	48,4	49,5	50,7	51,9	53,0	54,1	55,1	56,2	56,8	57,2	58,2	
20	57,7	59,4	61,2	62,8	64,5	66,1	67,6	69,1	70,6	72,1	73,5	74,9	75,7	76,3	77,6	
25	72,1	74,3	76,5	78,5	80,6	82,6	84,5	86,4	88,3	90,1	91,9	93,6	94,0	95,4	97,0	

Tolerance ±4%

DETERMINATION NOZZLE : TABLE A

	300	310	320	330	340	350	360	370	380	390	400	410	420	430	440	bar
	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	MPa
	4351	4496	4641	4786	4931	5076	5221	5366	5511	5656	5802	5947	6092	6237	6382	psi
01	3,9	4,0	4,1	4,1	4,2	4,3	4,3	4,4	4,4	4,5	4,6	4,6	4,7	4,7	4,8	
015	5,9	6,0	6,1	6,2	6,3	6,4	6,5	6,6	6,7	6,8	6,8	6,9	7,0	7,1	7,2	
02	7,9	8,0	8,2	8,3	8,4	8,5	8,6	8,8	8,9	9,0	9,1	9,2	9,3	9,5	9,6	
022	8,7	8,8	9,0	9,1	9,2	9,4	9,5	9,6	9,8	9,9	10,0	10,2	10,3	10,4	10,5	
025	9,9	10,0	10,2	10,4	10,5	10,7	10,8	11,0	11,1	11,3	11,4	11,5	11,7	11,8	12,0	
028	11,1	11,2	11,4	11,6	11,8	11,9	12,1	12,3	12,4	12,6	12,8	12,9	13,1	13,2	13,4	
03	11,8	12,0	12,2	12,4	12,6	12,8	13,0	13,2	13,3	13,5	13,7	13,8	14,0	14,2	14,3	
033	13,0	13,2	13,5	13,7	13,9	14,1	14,3	14,5	14,7	14,9	15,0	15,2	15,4	15,6	15,8	
035	13,8	14,0	14,3	14,5	14,7	14,9	15,1	15,3	15,6	15,8	16,0	16,2	16,3	16,5	16,7	
037	14,6	14,8	15,1	15,3	15,6	15,8	16,0	16,2	16,4	16,7	16,9	17,1	17,3	17,5	17,7	
04	15,8	16,1	16,3	16,6	16,8	17,1	17,3	17,5	17,8	18,0	18,2	18,5	18,7	18,9	19,1	
042	16,6	16,9	17,1	17,4	17,7	17,9	18,2	18,4	18,7	18,9	19,1	19,4	19,6	19,9	20,1	
045	17,8	18,1	18,3	18,6	18,9	19,2	19,5	19,7	20,0	20,3	20,5	20,8	21,0	21,3	21,5	
05	19,7	20,1	20,4	20,7	21,0	21,3	21,6	21,9	22,2	22,5	22,8	23,1	23,4	23,6	23,9	
053	20,9	21,3	21,6	21,9	22,3	22,6	22,9	23,2	23,6	23,9	24,2	24,5	24,8	25,1	25,3	
055	21,7	22,1	22,4	22,8	23,1	23,5	23,8	24,1	24,4	24,8	25,1	25,4	25,7	26,0	26,3	l/mn
058	22,9	23,3	23,6	24,0	24,4	24,7	25,1	25,4	25,8	26,1	26,4	26,8	27,1	27,4	27,7	
06	23,7	24,1	24,5	24,8	25,2	25,6	25,9	26,3	26,7	27,0	27,4	27,7	28,0	28,4	28,7	
065	25,7	26,1	26,5	26,9	27,3	27,7	28,1	28,5	28,9	29,3	29,6	30,0	30,4	30,7	31,1	
07	27,6	28,1	28,5	29,0	29,4	29,9	30,3	30,7	31,1	31,5	31,9	32,3	32,7	33,1	33,5	
075	29,6	30,1	30,6	31,1	31,5	32,0	32,4	32,9	33,3	33,8	34,2	34,6	35,0	35,5	35,9	
08	31,6	32,1	32,6	33,1	33,6	34,1	34,6	35,1	35,5	36,0	36,5	36,9	37,4	37,8	38,3	
085	33,6	34,1	34,7	35,2	35,7	36,2	36,8	37,3	37,8	38,3	38,8	39,2	39,7	40,2	40,6	
9	35,5	36,1	36,7	37,3	37,8	38,4	38,9	39,5	40,0	40,5	41,0	41,5	42,0	42,5	43,0	
10	39,5	40,1	40,8	41,4	42,0	42,6	43,2	43,8	44,4	45,0	45,6	46,2	46,7	47,3	47,8	
11	43,4	44,1	44,9	45,5	46,2	46,9	47,6	48,2	48,9	49,5	50,1	50,8	51,4	52,0	52,6	
12	47,4	48,2	48,9	49,7	50,4	51,2	51,9	52,6	53,3	54,0	54,7	55,4	56,1	56,7	57,4	
15	59,2	60,2	61,2	62,1	63,0	64,0	64,9	65,8	66,7	67,5	68,4	69,2	70,1	70,9	71,7	
20	79,0	80,3	81,6	82,8	84,1	85,3	86,5	87,7	88,9	90,0	91,2	92,3	93,4	94,5	95,6	
25	98,7	100,3	101,9	103,5	105,1	106,6	108,1	109,6	111,1	112,5	114,0	115,4	116,8	118,2	119,5	

Tolerance ±4%

DETERMINATION NOZZLE : TABLE A

	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590	bar
	45	46	47	43	49	50	51	52	53	54	55	56	57	58	59	Mpa
	6527	6672	6817	6962	7107	7252	7397	7542	7687	7832	7977	8122	8267	8412	8557	psi
01	4,8	4,9	4,9	5,0	5,0	5,1	5,1	5,2	5,2	5,3	5,3	5,4	5,4	5,5	5,5	
015	7,3	7,3	7,4	7,9	7,6	7,6	7,7	7,8	7,9	7,9	8,0	8,1	8,2	8,2	8,3	
02	9,7	9,8	9,9	10,0	10,1	10,2	10,3	10,4	10,5	10,6	10,7	10,8	10,9	11,0	11,1	
022	10,6	10,8	10,9	11,0	11,1	11,2	11,3	11,4	11,5	11,7	11,8	11,9	12,0	12,1	12,2	
025	12,1	12,2	12,4	12,5	12,6	12,7	12,9	13,0	13,1	13,2	13,4	13,5	13,6	13,7	13,8	
028	13,5	13,7	13,8	14,0	14,1	14,3	14,4	14,6	14,7	14,8	15,0	15,1	15,2	15,4	15,5	
03	14,5	14,7	14,8	15,0	15,1	15,3	15,4	15,6	15,7	15,9	16,0	16,2	16,3	16,5	16,6	
033	16,0	16,1	16,3	16,5	16,7	16,8	17,0	17,2	17,3	17,5	17,6	17,8	18,0	18,1	18,3	
035	16,9	17,1	17,3	17,5	17,7	17,8	18,0	18,2	18,4	18,5	18,7	18,9	19,0	19,2	19,4	
037	17,9	18,1	18,3	18,5	18,7	18,9	19,0	19,2	19,4	19,6	19,8	20,0	20,1	20,3	20,5	
04	19,3	19,6	19,8	20,0	20,2	20,4	20,6	20,8	21,0	21,2	21,4	21,6	21,8	22,0	22,1	
042	20,3	20,5	20,8	21,0	21,2	21,4	21,6	21,8	22,0	22,2	22,5	22,7	22,9	23,1	23,3	
045	21,8	22,0	22,2	22,5	22,7	22,9	23,2	23,4	23,6	23,8	24,1	24,3	24,5	24,7	24,9	
05	24,2	24,4	24,7	25,0	25,2	25,5	25,7	26,0	26,2	26,5	26,7	27,0	27,2	27,4	27,7	
053	25,6	25,9	26,2	26,5	26,7	27,0	27,3	27,5	27,8	28,1	28,3	28,6	28,8	29,1	29,3	
055	26,6	26,9	27,2	27,5	27,8	28,0	28,3	28,6	28,9	29,1	29,4	29,7	29,9	30,2	30,5	l/mn
058	28,0	28,4	28,7	29,0	29,3	29,6	29,9	30,1	30,4	30,7	31,0	31,3	31,6	31,8	32,1	
06	29,0	29,3	29,6	30,0	30,3	30,6	30,9	31,2	31,5	31,8	32,1	32,4	32,7	32,9	33,2	
065	31,4	31,8	32,1	32,5	32,8	33,1	33,5	33,8	34,1	34,4	34,7	35,1	35,4	35,7	36,0	
07	33,8	34,2	34,6	35,0	35,3	35,7	36,0	36,4	36,7	37,1	37,4	37,8	38,1	38,4	38,8	
075	36,3	36,7	37,1	37,5	37,8	38,2	38,6	39,0	39,4	39,7	40,1	40,5	40,8	41,2	41,5	
08	38,7	39,1	39,5	40,0	40,4	40,8	41,2	41,6	42,0	42,4	42,8	43,2	43,5	43,9	44,3	
085	41,1	41,6	42,0	42,4	42,9	43,3	43,8	44,2	44,6	45,0	45,4	45,8	46,3	46,7	47,1	
09	43,5	44,0	44,5	44,9	45,4	45,9	46,4	46,8	47,2	47,7	48,1	48,5	49,0	49,4	49,8	
10	48,4	48,9	49,4	49,9	50,5	51,0	51,5	52,0	52,5	53,0	53,5	53,9	54,4	54,9	55,4	
11	53,2	53,8	54,4	54,9	55,5	56,1	56,6	57,2	57,7	58,3	58,8	59,3	59,9	60,4	60,9	
12	58,0	58,7	59,3	59,9	60,5	61,2	61,8	62,4	63,0	63,6	64,1	64,7	65,3	65,9	66,4	
15	72,5	73,3	74,1	74,9	75,7	76,5	77,2	78,0	78,7	79,5	80,2	80,9	81,6	82,3	83,1	
20	96,7	97,8	98,8	99,9	100,9	101,9	103,0	104,0	105,0	105,9	106,9	107,9	108,8	109,8	110,7	
25	120,9	122,2	123,5	124,8	126,1	127,4	128,7	129,9	131,2	132,4	133,6	134,9	136,1	137,2	138,4	

Tolerance ±4%

DETERMINATION NOZZLE DETERGENT : TABLE A1

		3	4	5	6	7	8	9	10	11	12	13	14	15	bar
		0,3	0,4	0,5	0,6	0,7	0,8	0,9	1	1,1	1,2	1,3	1,4	1,5	Mpa
	COLOR	44	58	73	87	102	116	131	145	160	174	189	203	218	psi
01	ORANGE	0,4	0,5	0,5	0,6	0,6	0,6	0,7	0,7	0,8	0,8	0,8	0,9	0,9	l/mn
015	GREEN	0,6	0,7	0,8	0,8	0,9	1,0	1,0	1,1	1,1	1,2	1,2	1,3	1,3	
02	YELLOW	0,8	0,9	1,0	1,1	1,2	1,3	1,4	1,4	1,5	1,6	1,6	1,7	1,8	
03	BLUE	1,2	1,4	1,5	1,7	1,8	1,9	2,1	2,2	2,3	2,4	2,5	2,6	2,6	
04	RED	1,6	1,8	2,0	2,2	2,4	2,6	2,7	2,9	3,0	3,2	3,3	3,4	3,5	
05	BROWN	2,0	2,3	2,5	2,8	3,0	3,2	3,4	3,6	3,8	3,9	4,1	4,3	4,4	
06	GREY	2,4	2,7	3,1	3,4	3,6	3,9	4,1	4,3	4,5	4,7	4,9	5,1	5,3	
08	WHITE	3,2	3,6	4,1	4,5	4,8	5,2	5,5	5,8	6,0	6,3	6,6	6,8	7,1	

DETERMINATION LOW PRESSURE NOZZLE : TABLE B

	2,8	5	10	15	20	25	30	bar
	0,28	0,5	1	1,5	2	2,5	3	MPa
	40	72,5	145	217,5	290	362,5	435	psi
30	11,4	15,3	21,6	26,5	30,6	34,2	37,4	l/min
40	15,3	20,4	28,8	35,3	40,8	45,6	49,9	
60	22,9	30,6	43,3	53,0	61,2	68,4	74,9	

Tolerance ±4%

DETERMINATION NOZZLE : TABLE C

	TYPE	COLOR	70	80	90	100	110	120	130	140	150	160	180	200	220	250	276	bar
			7,0	8,0	9,0	10,0	11,0	12,0	13,0	14,0	15,0	16,0	18,0	20,0	22,0	25,0	27,6	Mpa
			1015	1160	1305	1450	1595	1740	1885	2030	2175	2320	2610	2900	3190	3625	4000	psi
02	1,00	BRONZE	3,8	4,1	4,4	4,6	4,8	5,0	5,2	5,4	5,6	5,8	6,2	6,5	6,8	7,3	7,6	
022	1,05	PINK	4,2	4,5	4,7	5,0	5,2	5,5	5,7	5,9	6,1	6,3	6,7	7,1	7,4	7,9	8,3	
025	1,10	RED	4,7	5,0	5,3	5,6	5,9	6,1	6,4	6,6	6,9	7,1	7,5	7,9	8,3	8,9	9,3	
028	1,15	LILA	5,3	5,6	6,0	6,3	6,6	6,9	7,2	7,5	7,7	8,0	8,5	8,9	9,3	10,0	10,5	
03	1,20	YELLOW LEMON	5,7	6,1	6,5	6,8	7,2	7,5	7,8	8,1	8,4	8,6	9,2	9,7	10,1	10,8	11,4	
033	1,25	LIGHT GREEN	6,3	6,7	7,1	7,5	7,9	8,2	8,6	8,9	9,2	9,5	10,1	10,6	11,1	11,9	12,5	
035	1,30	ORANGE	6,6	7,1	7,5	7,9	8,3	8,7	9,0	9,3	9,7	10,0	10,6	11,2	11,7	12,5	13,1	
037	1,35	BLUE	7,1	7,6	8,1	8,5	8,9	9,3	9,7	10,1	10,4	10,8	11,4	12,0	12,6	13,4	14,1	
04	1,38	GREEN	7,6	8,2	8,6	9,1	9,6	10,0	10,4	10,8	11,2	11,5	12,2	12,9	13,5	14,4	15,1	
042	1,40	BEIGE	7,9	8,5	9,0	9,5	10,0	10,4	10,8	11,2	11,6	12,0	12,7	13,4	14,1	15,0	15,8	l/mn
045	1,45	OCHER	8,5	9,1	9,7	10,2	10,7	11,2	11,6	12,1	12,5	12,9	13,7	14,4	15,1	16,1	16,9	
05	1,50	AZURE BLUE	9,5	10,1	10,7	11,3	11,9	12,4	12,9	13,4	13,8	14,3	15,2	16,0	16,8	17,9	18,8	
055	1,55	WHITE	10,5	11,2	11,9	12,5	13,1	13,7	14,3	14,8	15,4	15,9	16,8	17,7	18,6	19,8	20,8	
058	1,60	BLACK	11,0	11,8	12,5	13,2	13,8	14,5	15,1	15,6	16,2	16,7	17,7	18,7	19,6	20,9	21,9	
06	1,65	VIOLET	11,4	12,2	13,0	13,7	14,3	15,0	15,6	16,2	16,8	17,3	18,3	19,3	20,3	21,6	22,7	
065	1,70	BROWN	12,4	13,3	14,1	14,8	15,5	16,2	16,9	17,5	18,1	18,7	19,9	21,0	22,0	23,4	24,6	
07	1,75	GREY	13,4	14,3	15,2	16,0	16,8	17,5	18,2	18,9	19,6	20,2	21,5	22,6	23,7	25,3	26,6	
075	1,80	POINT BLANC GREEN	14,2	15,2	16,1	17,0	17,8	18,6	19,4	20,1	20,8	21,5	22,8	24,0	25,2	26,9	28,2	

Tolerance ±4%

DETERMINATION TPR NOZZLE : TABLE F

		70	80	90	100	110	120	130	140	150	160	180	200	220	250	276	300	350	bar
		7,0	8,0	9,0	10,0	11,0	12,0	13,0	14,0	15,0	16,0	18,0	20,0	22,0	25,0	27,6	30,0	35,0	Mpa
	COLOR	1015	1160	1305	1450	1595	1740	1885	2021	2176	2321	2611	2901	3191	3626	4000	4351	5076	psi
03	BRIGHT YELLOW	5,7	6,1	6,5	6,8	7,2	7,5	7,8	8,1	8,4	8,6	9,2	9,7	10,1	10,8	11,4	11,8	12,8	
035	ORANGE	6,7	7,1	7,6	8,0	8,4	8,7	9,1	9,4	9,8	10,1	10,7	11,3	11,8	12,6	13,2	13,8	14,9	
04	DARK GREEN	7,6	8,2	8,6	9,1	9,6	10,0	10,4	10,8	11,2	11,5	12,2	12,9	13,5	14,4	15,1	15,8	17,1	
045	DARK YELLOW	8,6	9,2	9,7	10,3	10,8	11,2	11,7	12,1	12,6	13,0	13,8	14,5	15,2	16,2	17,0	17,8	19,2	
05	AZURE BLUE	9,5	10,2	10,8	11,4	12,0	12,5	13,0	13,5	14,0	14,4	15,3	16,1	16,9	18,0	18,9	19,7	21,3	l/min
055	WHITE	10,5	11,2	11,9	12,5	13,1	13,7	14,3	14,8	15,4	15,9	16,8	17,7	18,6	19,8	20,8	21,7	23,5	
06	VIOLET	11,4	12,2	13,0	13,7	14,3	15,0	15,6	16,2	16,8	17,3	18,3	19,3	20,3	21,6	22,7	23,7	25,6	
065	DARK BROWN	12,4	13,3	14,1	14,8	15,5	16,2	16,9	17,5	18,1	18,7	19,9	21,0	22,0	23,4	24,6	25,7	27,7	
07	GREY	13,3	14,3	15,1	16,0	16,7	17,5	18,2	18,9	19,5	20,2	21,4	22,6	23,7	25,2	26,5	27,6	29,9	

Tolerance $\pm 6\%$

DETERMINATION TPL NOZZLE : TABLE G

		70	80	90	100	110	120	130	140	150	160	180	200	220	250	276	bar
		7,0	8,0	9,0	10,0	11,0	12,0	13,0	14,0	15,0	16,0	18,0	20,0	22,0	25,0	27,6	Mpa
	COLOR	1015	1160	1305	1450	1595	1740	1885	2031	2176	2321	2611	2901	3191	3626	4000	psi
28	LILA	5,3	5,7	6,1	6,4	6,7	7,0	7,3	7,6	7,8	8,1	8,6	9,0	9,5	10,1	10,6	
033	LIGHT GREEN	6,3	6,7	7,1	7,5	7,9	8,2	8,6	8,9	9,2	9,5	10,1	10,6	11,2	11,9	12,5	
04	DARK GREEN	7,6	8,2	8,6	9,1	9,6	10,0	10,4	10,8	11,2	11,5	12,2	12,9	13,5	14,4	15,1	l/min
045	OCHER	8,6	9,2	9,7	10,3	10,8	11,2	11,7	12,1	12,6	13,0	13,8	14,5	15,2	16,2	17,0	
053	LIGHT BROWN	10,1	10,8	11,5	12,1	12,7	13,2	13,8	14,3	14,8	15,3	16,2	17,1	17,9	19,1	20,1	

Tolerance $\pm 6\%$

BLASTLOCK TYPE - ASSEMBLING INSTRUCTIONS



The following assembling instructions are strongly recommended for heavy-duty applications

The crimping operation to apply BLASTLOCK fittings must be carried out with proper high performance crimping/assembling machines, with a crimping force higher than 2,800-3,000 kN, and approved by Manuli Hydraulics. This is in order to guarantee the optimum coupling assembly deformations and correct hose gripping.

It is recommended that the detailed assembling instructions are followed. These are supplied by Manuli Hydraulics to customers, assemblers and operators using the integrated package, GOLDENBLAST hose & BLASTLOCK fittings.

Each assembly must be pressure tested at the pressure level required by the reference specifications (e.g. EN 1829-2 requirement is 1.5 times the WP for minimum 30 seconds) and taking into consideration all safety implications.

Specialised personnel are recommended for the assembling operation of BLASTLOCK fittings.

PART REF.	THREAD SIZE	OR SUPPLIED (NBR 90 Sha)	TIGHTENING TORQUE (Nm)
B52004-6-22	M 22 x 1.5	10 x 2	70
B52004-08-24	M 24 x 1.5	12 x 2	100
B52004-12-36	M 36 x 2	20.3 x 2.4	190
B52004-16-42	M 42 x 2	25.3 x 2.4	220

RECOMMENDATIONS

90

Please see the following recommendations for the safe and correct use of the Manuli Goldenblast product line:

- Don't mix and match: MRI highly recommends the use of its integrated waterblasting package. The use of alternative hose or fittings can result in poor quality and reliability of the assembly.
- In line with international regulations, all waterblasting assemblies should be tested to 150% of the indicated maximum static working pressure before using.
- If waterblasting assemblies are used at a pressure exceeding the maximum working pressure indicated, the assemblies structure can cause an over-stressed situation. For the same reason pulsating pressure situations also need to be avoided.
- Relief valves should be used to preserve waterblasting equipment and hose assemblies.
- When safety devices are applied to prevent fitting blow-off, hose elongation and contraction needs to be taken in consideration. Under pressure, the hose length can vary between -4% to +2%.
- Waterblasting assemblies should never be used in "hang down" positions. These conditions can cause hose reinforcement restriction to contraction/elongation and over-stress fittings when supporting the weight of the hanging hose.
- Strictly avoid applying any external force on the hose assembly, such as axial tension, twisting, kinking or crushing.
- Temperature influences the resistance to leakage. Working temperature should be maintained below 70°C.
- Hose assemblies need to be replaced in case of damage, such as:
 - hose cover abrasion, cuts, chemical attack, corrosion
 - reinforcement crushing or twisting
- High pressure water must always be considered as extremely dangerous. Anyone handling waterblasting equipment should wear proper protective clothing, boots and eye protection.