



MACCHINE PER LAVAGGIO INDUSTRIALE DI INTERNI

L'Officina Meccanica Bolondi Ivano sviluppa negli anni '80 e '90, grazie ad un processo di ottimizzazione della produzione nato da un attento e puntiglioso feed-back con i loro maggiori clienti, una grande quantità di innovazioni tecnologiche nel settore della produzione di testine di lavaggio.

Una completa gamma di prodotti per bassa ed alta pressione in grado di soddisfare la richiesta di tutte le aziende che necessitano di un prodotto ideale alla sanificazione e alla pulizia, dal piccolo contenitore fino ad arrivare al grande ambiente.

Particolarmente curato è stato anche l'aspetto dell'integrazione con macchine e impianti industriali soprattutto nel settore **alimentare**, **farmaceutico**, **chimico**, **enologico**, dei **trasporti**, della **nettezza urbana** ed **edile**, con un impiego di materiali compatibili con i più svariati prodotti.

Non può essere tralasciata la particolare rifinitura di ogni singolo aspetto, che caratterizzati da un vero e proprio design innovativo sono veri e propri gioielli, tecnologicamente avanzati in tutti i singoli componenti.

HEADS FOR INDUSTRIAL WASHING OF CONTAINERS

Thanks to a programme of product optimisation, resulting from a careful and meticulous client feedback process, the 1980s and 1990s witnessed the development, by the Officina Meccanica Bolondi Ivano, of a large number of technical innovations in the washing head production sector.

A comprehensive range of low and high-pressure products designed to meet the needs of firms looking for products that are perfectly suited for sanitising and cleaning, from the smallest of containers to the largest of spaces.

*Particular care and attention has been devoted to the aspects of integration with industrial systems and machines, above all in the **food**, **pharmaceutical**, **chemical**, **wine producing**, **transportation** sectors, and in the **urban** and **building cleaning industry**, by using materials that are compatible with a large variety of products.*

It is impossible to overlook the detailed finishing touches that are applied to each and every aspect, hallmarks of truly innovative designs, and that are veritable technological treasures in each of the individual components.

Officina Meccanica Bolondi Ivano

Via Volta, 4
42027 Montecchio Emilia (Re) - Italia
Tel. +39 0522 864434
Fax +39 0522 865780
E-mail: bolondi@bolondi.com
www.bolondi.com

PARMA

REGGIO EMILIA

MODENA

Montecchio Emilia

Bolondi

Cleaning Heads



rotojet®

MACCHINE PER LAVAGGIO INDUSTRIALE DI INTERNI
HEADS FOR INDUSTRIAL WASHING OF CONTAINERS

INDUSTRIA CHIMICA



CHEMICAL INDUSTRY

AUTOLAVAGGI



CAR WASHES

LAVAGGIO TRASPORTI



TRANSPORT WASHES

LAVAGGIO CASSONETTI



WHEELIE BIN
WASHING
MACHINES

INDUSTRIA FARMACEUTICA



PHARMACEUTICAL
INDUSTRY

INDUSTRIA ENOLOGICA E BEVANDE



WINE
AND BEVERAGE
INDUSTRY

INDUSTRIA ALIMENTARE



FOOD
INDUSTRY

LAVAGGIO MACCHINE EDILI



SYSTEMS AND
MACHINES FOR
CONSTRUCTION

INDUSTRIA COSMETICA



COSMETIC
INDUSTRY

Bolondi
Cleaning Heads

MACCHINE PER LAVAGGIO INDUSTRIALE DI INTERNI

HEADS FOR INDUSTRIAL WASHING OF CONTAINERS

rotojet

Multi-axis cleaning Head

PATENT PENDING



Basic principles:

- full compatibility with existing installations
- flexibility
- ease installation even in difficult conditions
- improving Mechanical Action and Coverage:
 - ▶ *Reduce Cleaning Time*
 - ▶ *Reduce Water Consumption*
 - ▶ *Reduce Chemical consumption*
 - ▶ *Reduce utilities Consumption*
 - ▶ *Less waste water to dispose*

Result?

- More eco-compatibility
- Money saver

TECHNICAL DATA

Motor: electric, pneumatic or water motor

Material: aisi 316L

Pressure: max 150 bar (water motor)
or 200 bar (electric and pneumatic)

Flow: max 60lt/min

Nozzles: 2 or 4

Seals: NBR-VITON-EPDM-KALREZ

Flange connection: on request

Stroke: 100mm

Option: angle driven motor for electric
and pneumatic version



Standard pattern



Multi-axis pattern



WASHING HEADS CATALOGUE



[illegible]

que hay que eliminar, la presión del agua, la temperatura, la solución de lavado y el tipo de cabezal de lavado usado.

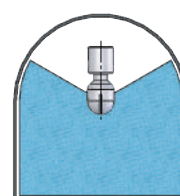
4) MATERIALES DE CONSTRUCCIÓN

El uso en la industria farmacéutica, química y agroalimentaria requiere que las boquillas de limpieza estén hechos de materiales que ofrecen una gran resistencia a la corrosión y que permitan un saneamiento exhaustivo. Normalmente las boquillas de limpieza están hechos de acero inoxidable austenítico (AISI 316L) o de materiales plásticos (teflón).

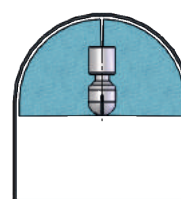
5) COBERTURA

Cobertura: es el ángulo sólido cubierto por los jets de agua, tanto si están fijos o en movimiento, puede ser de:

360°
300° hacia abajo
270° hacia arriba
270° hacia abajo
240° hacia abajo
180° hacia arriba
180° hacia abajo



240° DOWN



180° UP

[illegible]

TESTE ROTANTI

La velocità di rotazione dipende dalla pressione del liquido del lavaggio una rotazione troppo rapida causa la rottura del getto in molte gocce e la perdita della forza d'impatto.

SENZA SFERE

La rotazione avviene anche a una pressione molto bassa (inferiore a 1 bar). Tali teste sono capaci di ruotare in qualsiasi posizione e orientamento in cui sono installate. Possono essere costruite in acciaio inox con trattamento antiusura e un basso coefficiente di attrito o in materia plastica di alta qualità (PTFE). Sono disponibili per serbatoi di ogni dimensione e con diversi tipi di connessioni e coperture.

SU UNA SINGOLA CORONA DI SFERE

La rotazione della testa è possibile anche a bassa pressione (anche intorno agli 0,5 bar). La rotazione è molto più facile e permette un lavaggio adeguato e una buona copertura anche per serbatoi di grandi dimensioni. Posizionamento unicamente verticale e connessione posta sulla parte superiore. Costruite completamente in acciaio inox AISI 316, sono disponibili in diverse dimensioni e connessioni per il lavaggio di serbatoi di dimensioni medio-grandi.

SU DOPPIA CORONA DI SFERE

Le teste rotanti dotate di due file di sfere sono capaci di ruotare in qualsiasi posizione e orientamento in cui sono installate. Questo può rappresentare un grande vantaggio poiché esse non devono necessariamente essere posizionate verticalmente con una connessione sulla parte superiore del serbatoio. Una bassa pressione (anche inferiore agli 0,5 bar) è sufficiente per permettere la rotazione. Costruite in acciaio inox lucidato AISI 316, sono disponibili in diverse dimensioni e connessioni per il lavaggio di serbatoi di piccole, medie e grandi dimensioni. La loro particolare struttura interna e il grado di rugosità della superficie di tutti i componenti riduce il rischio di formazione di batteri dovuto al ristagno idrico.

ROTATING HEADS

The rotational speed depends on the washing fluid pressure a too fast rotation causes the jet breakage in many drops and the loss of impact force.

WITHOUT SPHERES

The rotation takes place also at a very low pressure (less than 1 bar). They are able to rotate in any position and orientation with which they are installed. They can be made of stainless steel with an special anti-wear treatment and a low coefficient of friction, or in plastic material of high quality standards (PTFE). They are available for tanks of any size and with different types of connections and covers.

ON ONE SPHERE TRACK

The head rotation is possible even at low pressure (also around 0,5 Bar). The rotation is much easier and allows an adequate washing and a good cover also for tanks of great size. Only vertical positioning and connection placed on the upper part. Made entirely in stainless steel AISI 316, they are available in different sizes and connections for the washing of medium-large sized tanks.

ON TWO SPHERE TRACKS

The washing heads equipped with two sphere rows are able to rotate in any position and orientation in which they are installed. This might be a great advantage since they do not necessarily have to be positioned vertically with a connection of the upper part of the tank. A low pressure (even less than 0,5 bar) is sufficient to impart the rotation. Made in polished stainless steel AISI 316, they are available in different sizes and connections for the washing of small, medium and large-sized tanks. Their particular internal conformation and the degree of superficial roughness of all components reduce the risk of bacterial formations due to the little water stagnations.

BOQUILLAS ROTATIVAS

La velocidad de giro depende de la presión del líquido de lavado un giro excesivamente rápido causa la rotura del jet en muchas gotas y la pérdida de fuerza.

SIN ESFERAS

La rotación también produce una presión muy baja (inferior a un bar). Pueden girar en cualquier posición y orientación en que sean instalados. Pueden estar hechos de acero inoxidable con un tratamiento especial anti desgaste y un coeficiente bajo de fricción, o en un material plástico de un estándar de calidad superior (PTFE). Están disponibles para tanques de cualquier medida y con diferentes tipos de conexiones y tapas.

CON UNA SOLA HILERA DE ESFERAS

La rotación de la boquilla es posible incluso a presiones bajas (también alrededor de los 0,5 Bar). La rotación es mucho más fácil y permite un lavado más adecuado y una buena cobertura para tanques de grandes dimensiones. Posicionamiento únicamente vertical y una conexión situada en la parte superior. Hecho íntegramente de acero inoxidable AISI 316, están disponibles en diferentes tamaños y conexiones para el lavado de tanques de grandes y medianas dimensiones.

CON DOBLE HILERA DE ESFERAS

Las boquillas rotativas equipadas con dos hileras esféricas permiten la rotación en cualquier posición y orientación en que estén instalados. Esto podría suponer ser una gran ventaja ya que no necesariamente tienen que ser posicionados de forma vertical con una conexión de la parte superior del tanque. Una presión baja (incluso inferior a los 0,5 bar) es suficiente para posibilitar la rotación. Fabricadas en acero inoxidable pulido AISI 316, están disponibles en diferentes tamaños y conexiones para el lavado de tanques de dimensiones pequeñas, medianas y grandes. Su particular configuración interna y el grado de robustez superficial de sus componentes reduce el riesgo de formación de bacterias debido al estancamiento de pequeñas cantidades de agua.

LSE thread/clip/weld

Caratteristiche

Le teste rotanti LSE sono costruite in acciaio inossidabile AISI 316L, e sono montate su doppia corona di sfere, per avere una corretta rotazione in qualsiasi posizione di montaggio. Tutte le superfici interne ed esterne sono lavorate ad alta precisione garantendo una finitura perfettamente liscia e priva di zone in cui si possono accumulare residui di acqua. La velocità di rotazione dipende dalla pressione del fluido di lavaggio, che deve essere limitata: una rotazione troppo veloce causa infatti rottura del getto in gocce e perdita di forza di impatto.

Applicazioni

- Lavaggio serbatoi

Materiali

- Aisi316L
- altri a richiesta

Characteristics

The LSE rotating heads are built in AISI 316L stainless steel, and are mounted on double ball bearing, to have a correct rotation in any mounting position. All the internal and external surfaces are machined with high precision, ensuring a perfectly smooth finish and free of areas where they can accumulate water residue. The speed of rotation depends on the pressure of the washing fluid, which must be limited: a rotation too fast in fact causes breakage of the jet into drops and loss of impact strength.

Application:

- Tank washing

Materials:

- Aisi316L
- other on request

Características

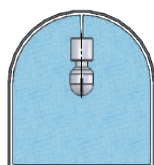
Las boquillas rotativas LSE están fabricadas en acero inoxidable AISI 316L y están montadas en una doble hilera de esferas para tener una correcta rotación en cualquier posición de montaje. Todas las superficies internas y externas se mecanizan con alta precisión asegurando un acabado perfectamente liso, sin áreas en las que se puedan acumular los residuos del agua. La velocidad de rotación depende de la presión del fluido de lavado, que debe limitarse: una rotación demasiado rápida hace que el chorro se rompa en gotas y pierda fuerza de impacto.

Aplicación:

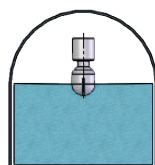
- Lavado de tanques

Materiales:

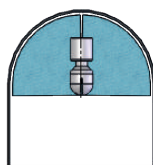
- Aisi316L
- otros bajo pedido



360°



180° DOWN

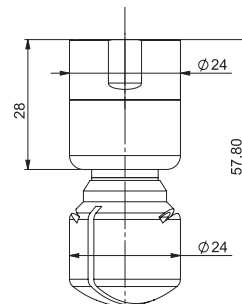


180° UP

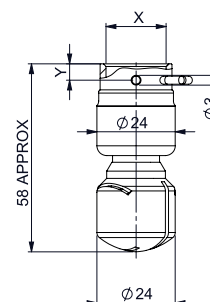
ATEX, FDA Compliance



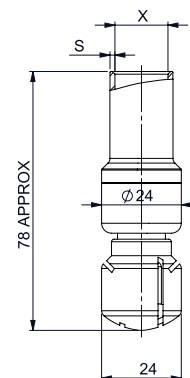
Thread Version:



Clip Version:



Weld Version:



CODE	Capacity (lpm) at different pressure (bar)				COVERAGE			CONNECTION	NORM	X (mm)	S (mm)	MAX. WET RADIUS (MT.)
	1	2	3	4	360°	180° UP	180° DOWN					
A2LSE29	17	24	29	33	T	U	D	3/8"	N.A.	N.A.	N.A.	1,5
A3LSE29	17	24	29	33	T	U	D	1/2"	N.A.	N.A.	N.A.	1,5
A2LSE48	28	39	48	55	T	U	D	3/8"	N.A.	N.A.	N.A.	2
A3LSE48	28	39	48	55	T	U	D	1/2"	N.A.	N.A.	N.A.	2
ADC15LSE29	17	24	29	33	T	U	D	CLIP D15	ISO 2037	17,4	1,50	1,5
AAC15LSE29	17	24	29	33	T	U	D	CLIP 3/4" DN15	BPE (US)	19,2	1,65	1,5
ADC15LSE48	27	39	48	55	T	U	D	CLIP D15	ISO 2037	17,4	1,50	2
AAC15LSE48	28	39	48	55	T	U	D	CLIP 3/4" DN15	BPE (US)	19,2	1,65	2
AWD15LSE29	17	24	29	33	T	U	D	WELD D15	ISO 2037	17,20	1,00	1,5
AWA15LSE29	17	24	29	33	T	U	D	WELD 3/4" DN15	BPE (US)	19,00	1,65	1,5
AWD15LSE48	17	24	48	55	T	U	D	WELD D15	ISO 2037	17,20	1,00	2
AWA15LSE48	28	39	48	55	T	U	D	WELD 3/4" DN15	BPE (US)	19,00	1,65	2

LSD clip/weld

Caratteristiche

Ha le stesse caratteristiche del modello filettato nella pagina precedente ma con possibili attacchi a clip e a saldare secondo le normative Europee (ISO2037) e Americane (BPE-US).

Applicazioni

- Lavaggio serbatoi

Materiali

- Aisi316L
- altri a richiesta

Characteristics

It has the same characteristics as the threaded model on the previous page but with possible clip and solder connections according to European (ISO2037) and American (BPE-US) standards.

Application:

- Tank washing

Materials:

- Aisi316L
- other on request

Características

Tiene las mismas características que el modelo con rosca en la página anterior, pero con posibles conexiones de clips y soldaduras de acuerdo con los estándares europeos (ISO2037) y estadounidenses (BPE-EE. UU.).

Aplicación:

- Lavado de tanques

Materiales:

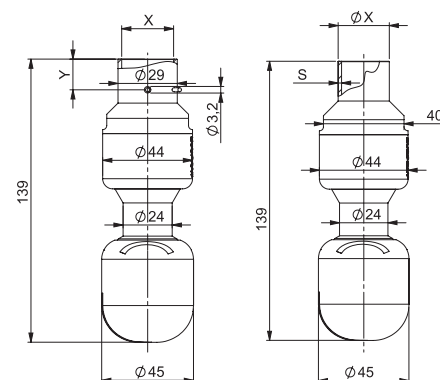
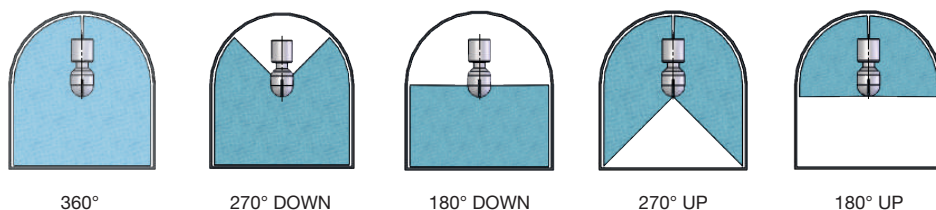
- Aisi316L
- otros bajo pedido



CLIP

WELD

Certifications: ATEX, MOCA, FDA



CLIP VERSIONS

Mod.	Capacity (lpm) at different pressure (bar)			COVERAGE					CONNECTION	NORM	X (mm)	Y (mm)	MAX. WET RADIUS (MT.)
	2	3	4	360°	180° UP	180° DOWN	270° UP	270° DOWN					
ADC25LSD63	51	63	73	T	U	D	UW	DW	(DN25)	ISO2037	25,3	15	2,9
AAC25LSD63	51	63	73	T	U	D	UW	DW	(DN25)	BPE (US)	25,7	15	2,9
ADC25LSD690	73	90	104	T	U	D	UW	DW	(DN25)	ISO2037	25,3	15	3,2
AAC25LSD690	73	90	104	T	U	D	UW	DW	(DN25)	BPE (US)	25,7	15	3,2
ADC25LSD135	110	135	156	T	U	D	UW	DW	(DN25)	ISO2037	25,3	15	3,5
AAC25LSD135	110	135	156	T	U	D	UW	DW	(DN25)	BPE (US)	25,7	15	3,5
ADC25LSD170	139	170	196	T	U	D	UW	DW	(DN25)	ISO2037	25,3	15	3,7
AAC25LSD170	139	170	196	T	U	D	UW	DW	(DN25)	BPE (US)	25,7	15	3,7

WELDING VERSIONS

Mod.	Capacity (lpm) at different pressure (bar)			COVERAGE					CONNECTION	NORM	X (mm)	Thick-ness	MAX RAY WET (mt.)
	2	3	4	360°	180° UP	180° DOWN	270° UP	270° DOWN					
AWD25LSD63	51	63	73	T	U	D	UW	DW	(DN25)	ISO2037	25	1,2	2,9
AWA25LSD63	51	63	73	T	U	D	UW	DW	(DN25)	BPE (US)	25,4	1,65	2,9
AWD25LSD90	73	90	104	T	U	D	UW	DW	(DN25)	ISO2037	25	1,2	3,2
AWA25LSD90	73	90	104	T	U	D	UW	DW	(DN25)	BPE (US)	25,4	1,65	3,2
AWD25LSD135	110	135	156	T	U	D	UW	DW	(DN25)	ISO2037	25	1,2	3,5
AWA25LSD135	110	135	156	T	U	D	UW	DW	(DN25)	BPE (US)	25,4	1,65	3,5
AWD25LSD170	139	170	196	T	U	D	UW	DW	(DN25)	ISO2037	25	1,2	3,7
AWA25LSD170	139	170	196	T	U	D	UW	DW	(DN25)	BPE (US)	25,4	1,65	3,7

LSD thread

Caratteristiche

Le teste rotanti LSD sono montate su doppia corona di sfere, per avere una corretta rotazione in qualsiasi posizione di montaggio. La parte rotante ha la peculiarità di non avere linee di accoppiamento e saldature, non gradite soprattutto nel settore alimentare e o farmaceutico. La velocità di rotazione dipende dalla pressione del fluido di lavaggio, che deve essere limitata: una rotazione troppo veloce causa infatti rottura del getto in gocce e conseguente perdita di forza di impatto.

Applicazioni

- Lavaggio serbatoi

Materiali

- Aisi316L

Characteristics

The LSD rotating heads are mounted on double ball bearing, to have a correct rotation in any mounting position. The rotating part has the peculiarity of not having coupling lines and welds, not especially appreciate in the food and pharmaceutical sector. The speed of rotation depends on the pressure of the washing fluid, which must be limited: a rotation too fast in fact causes breakage of the jet into drops and loss of impact strength.

Application:

- Tank washing

Materials:

- Aisi316L

Características

Las boquillas rotativas están montadas en doble rodamiento de bolas para tener una rotación correcta en cualquier posición de montaje. La parte giratoria tiene la peculiaridad de no tener líneas de acoplamiento y soldaduras, especialmente no apreciadas en el sector alimentario y farmacéutico. La velocidad de rotación depende de la presión del fluido de lavado, que debe ser limitada: una rotación demasiado rápida en realidad causa la rotura del chorro en gotas y la pérdida de resistencia al impacto.

Aplicación:

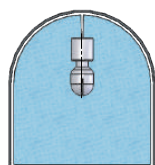
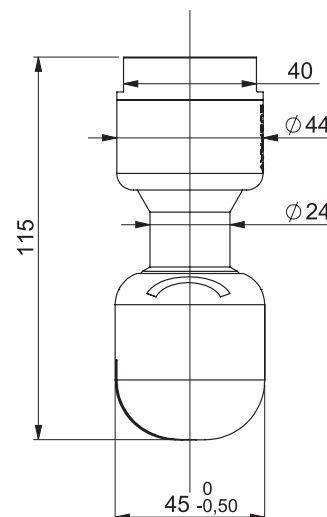
- Lavado de tanques

Materiales:

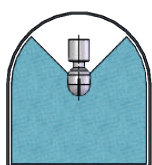
- Aisi316L



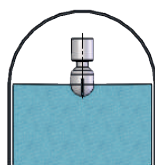
Certifications: ATEX, MOCA, FDA



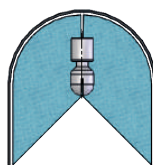
360°



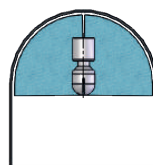
270° DOWN



180° DOWN



270° UP



180° UP

CODE	CAPACITY (lpm) AT DIFFERENT PRESSURE (bar)			COVERAGE					CONNECTION	MAX RAY WET (meters)
	2	3	4	360°	180° UP	180° DOWN	270° UP	270° DOWN		
A3LSD63	51	63	73	T	U	D	UW	DW	1/2"	2,9
A4LSD63	51	63	73	T	U	D	UW	DW	3/4"	2,9
A3LSD90	73	90	104	T	U	D	UW	DW	1/2"	3,2
A4LSD90	73	90	104	T	U	D	UW	DW	3/4"	3,2
A5LSD90	73	90	104	T	U	D	UW	DW	1"	3,2
A4LSD135	110	135	156	T	U	D	UW	DW	3/4"	3,5
A5LSD135	110	135	156	T	U	D	UW	DW	1"	3,5
A5LSD170	139	170	196	T	U	D	UW	DW	1"	3,5

LSMOD7

Caratteristiche

Il sistema di lavaggio tramite diffusori è veloce, semplice ed efficace: permette di lavare con acqua calda e detergenti. Essi facilitano l'automazione dei programmi lavaggio e l'assenza di parti mobili evita il rischio di usura anche dopo lunghi periodi d'utilizzo.

Applicazioni

- Lavaggio serbatoi
- Pastorizzatori

Materiali

- Aisi316L

Conessioni

- Filettata femmina
- Clip

Copertura:

Characteristics

The cleaning system by means of diffusers is fast, simple and effective: it allows to wash with hot water and detergents. They facilitate the automation of washing programs and the absence of movable parts avoids the risk of wear even after long periods of use.

Application:

- Tank washing
- Pasteurizers

Materials:

- Aisi316L

Connection:

- Female Threaded
- Clip

Coverage:

Características

El sistema de lavado por medio de difusores es rápido, simple y efectivo: permite lavar con agua caliente y detergentes. Facilitan la automatización de programas de lavado y la ausencia de partes móviles evita el riesgo de rotura incluso después de largos periodos de uso.

Aplicación:

- Lavado de tanques
- Pasteurizadores

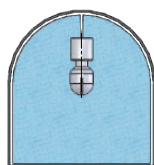
Materiales:

- Aisi316L

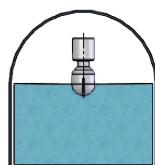
Conexiones:

- Rosca hembra
- Clip

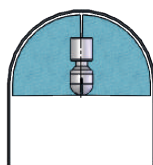
Cobertura:



360°



180° DOWN



180° UP

Per informazioni tecniche contattare i nostri uffici.

For technical info please contact our offices.

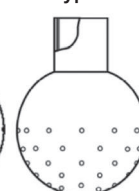
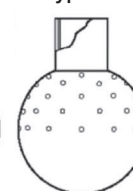
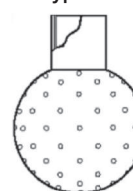
Para información técnica contacte nuestras oficinas.



Type A

Type B

Type C



FLS

Caratteristiche

Il modello FLS è costruito da barra piena con spessori maggiori per garantire il funzionamento a pressioni elevate.

Applicazioni

- Lavaggio serbatoi
- Pastorizzatori

Materiali

- Aisi316L, Aisi303
- Altri a richiesta

Characteristics

The FLS model is built from solid bar with greater thickness to guarantee high pressure operation.

Application:

- Tank washing
- Pasteurizers

Materials:

- Aisi316L, Aisi303
- Other on request

Características

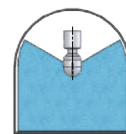
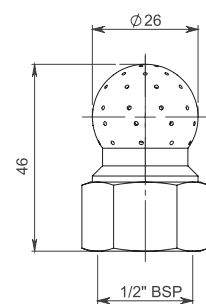
El modelo FLS está construido de una barra sólida con mayor grosor para garantizar el funcionamiento a alta presión.

Aplicación:

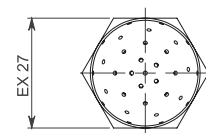
- Lavado de tanques
- Pasteurizers

Materiales:

- Aisi316L, Aisi303
- Otros bajo pedido



240° DOWN



Mod.	Free Passage (mm)	Capacity (lpm) at different pressure (bar)				Connection	Coverage	MAX. WET RADIUS (MT.)
		2	3	4	5			
A3FLS22	0,8	18	22	25	28	1/2" BSP	240°	3
A3FLS34	1,0	28	34	39	44	1/2" BSP	240°	3,2
A3FLS70	1,5	57	70	81	90	1/2" BSP	240°	3,5
A3FLS110	2,0	90	110	127	142	1/2" BSP	240°	4
A3FLS145	2,3	118	145	167	187	1/2" BSP	240°	4,5

SERIE XC

XC SERIES

TESTINE AUTOROTANTI O MOTORIZZATE PER LAVAGGIO VOLUMETRICO
SELFSPINNING OR MOTOR DRIVEN HEADS FOR VOLUMETRIC CLEANING

TESTINE DI LAVAGGIO VOLUMETRICHE

Disponibili con motore ad acqua, elettrico o pneumatico, per foro accesso minimo di 76mm

VOLUMETRIC CLEANING HEADS

Available with water motor, electric or pneumatic, for min pass through hole of 76mm



Disponibili in diverse lunghezze fino ad un max. di 6mt; disponibili anche versioni speciali per lavaggio settoriale

Available in different length till a max. of 6mt; available also special version for sector cleaning

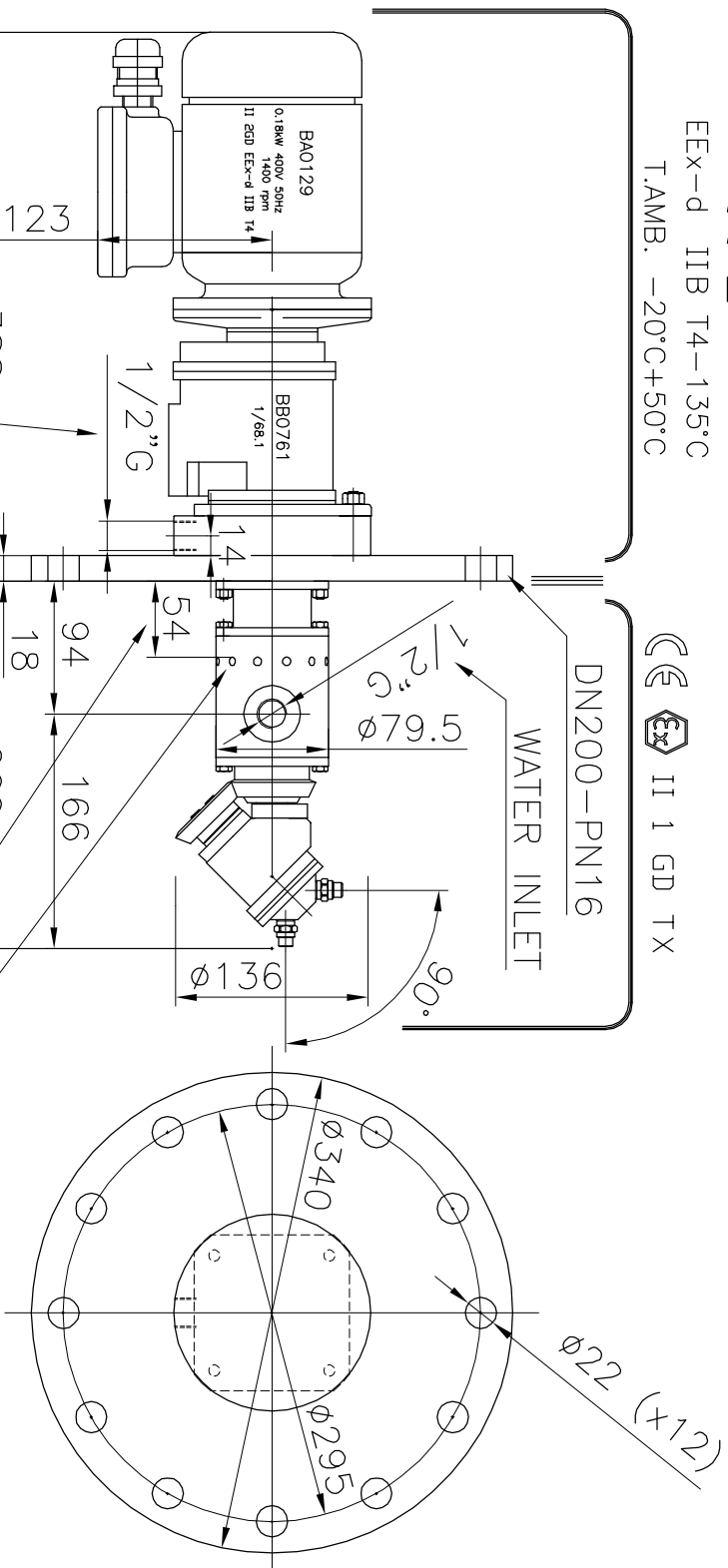
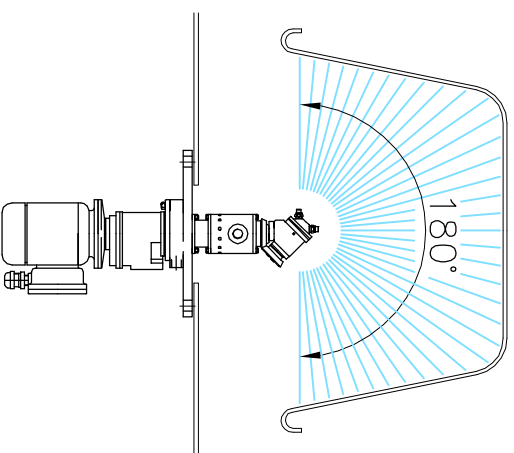


rOtojet

CE II 2 GD

EEx-d IIB T4-135°C
T.AMB. -20°C+50°C

CE II 1 GD TX

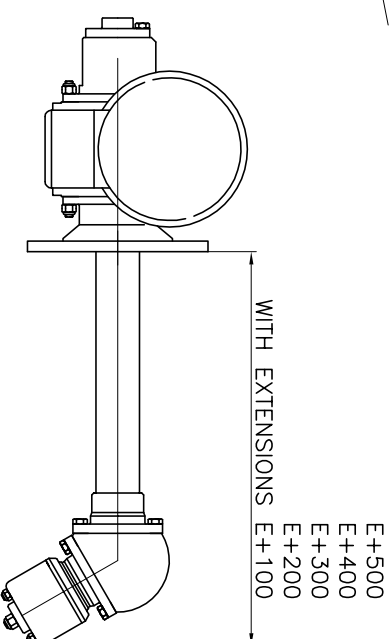
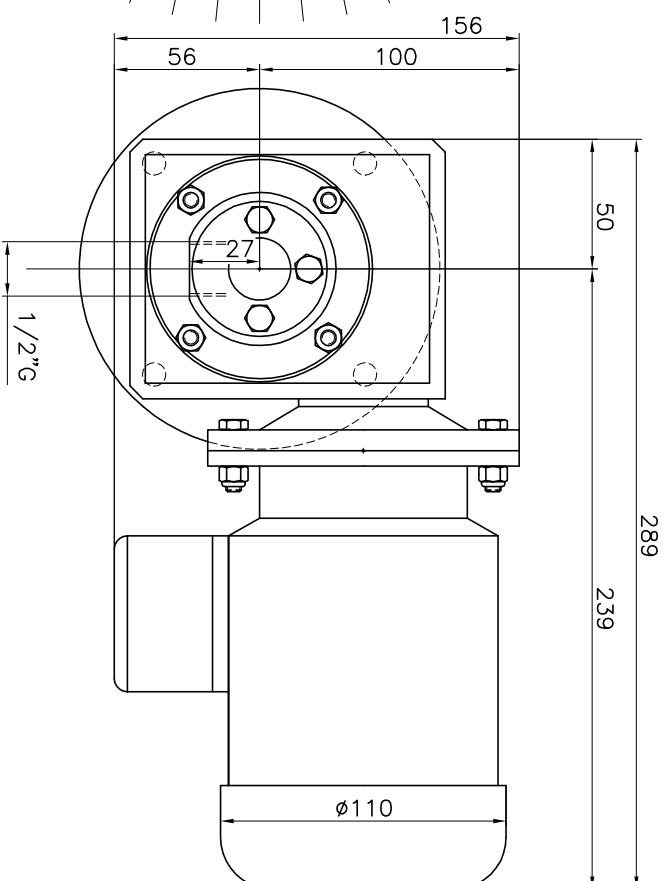
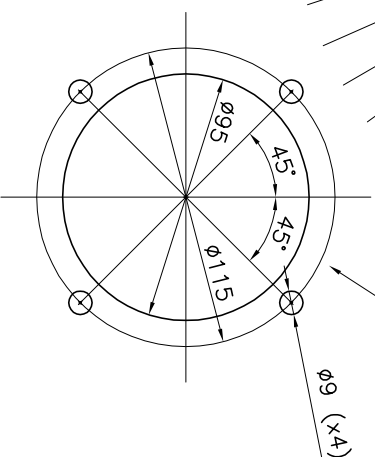
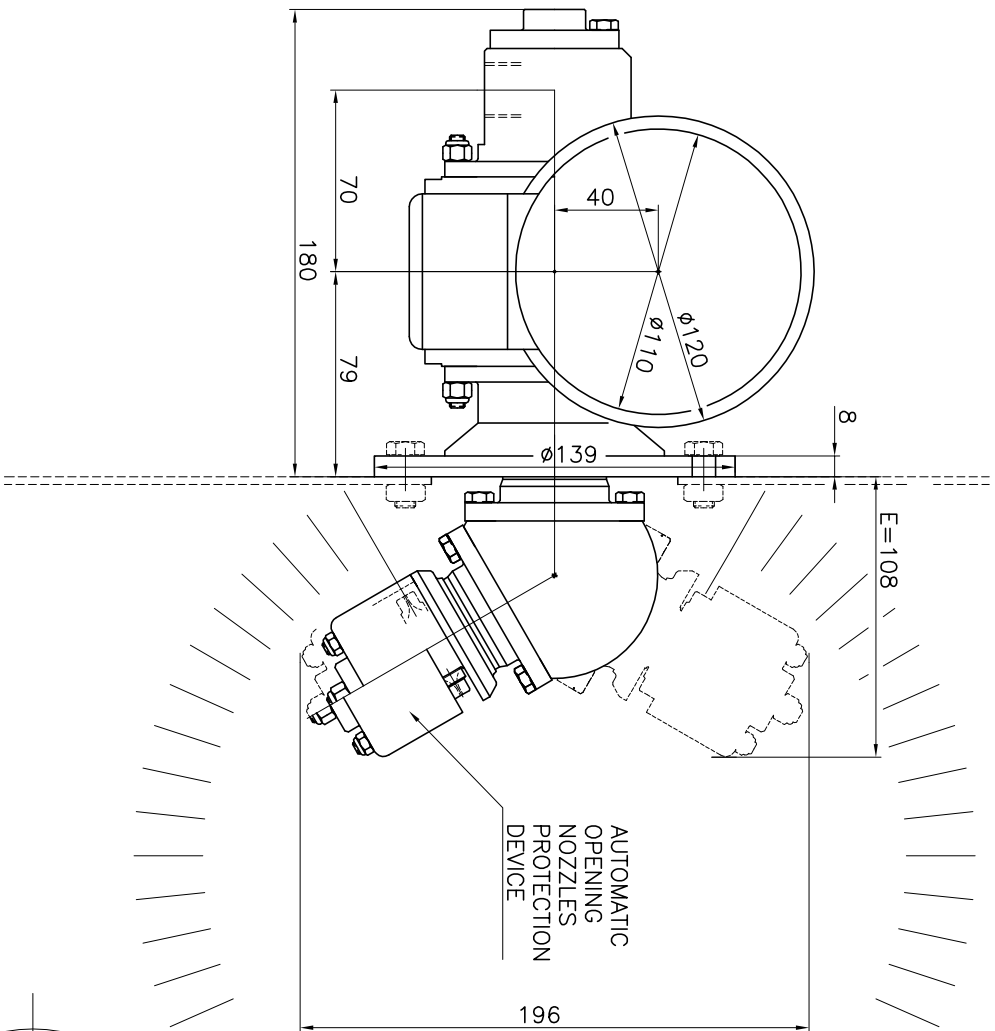


TECHNICAL DATA

O.RING	EPDM
SLIPPER	PTFE+CARBON FIBER
BUSHING	NICKEL BRONZE 25%
NOZZLES POSITIONS	2 OR 4
NOZZLES SIZE	1/4"NPT
OPERATING FLOW	200 L/min
OPERATING PRESSURE	150 bar
MAX TEMPERATURE	90 °C
MATERIAL	INOX AISI 304
GEARS	FIXED Z=29 ROTATING Z=27
MODULE	2
FULL CYCLE	29 ROTATIONS
FULL CYCLE TIME	1.4 MIN.
ELECTRIC MOTOR EEX	400V 50HZ
ROTATION SPEED	21 RPM
WEIGHT	XX KG

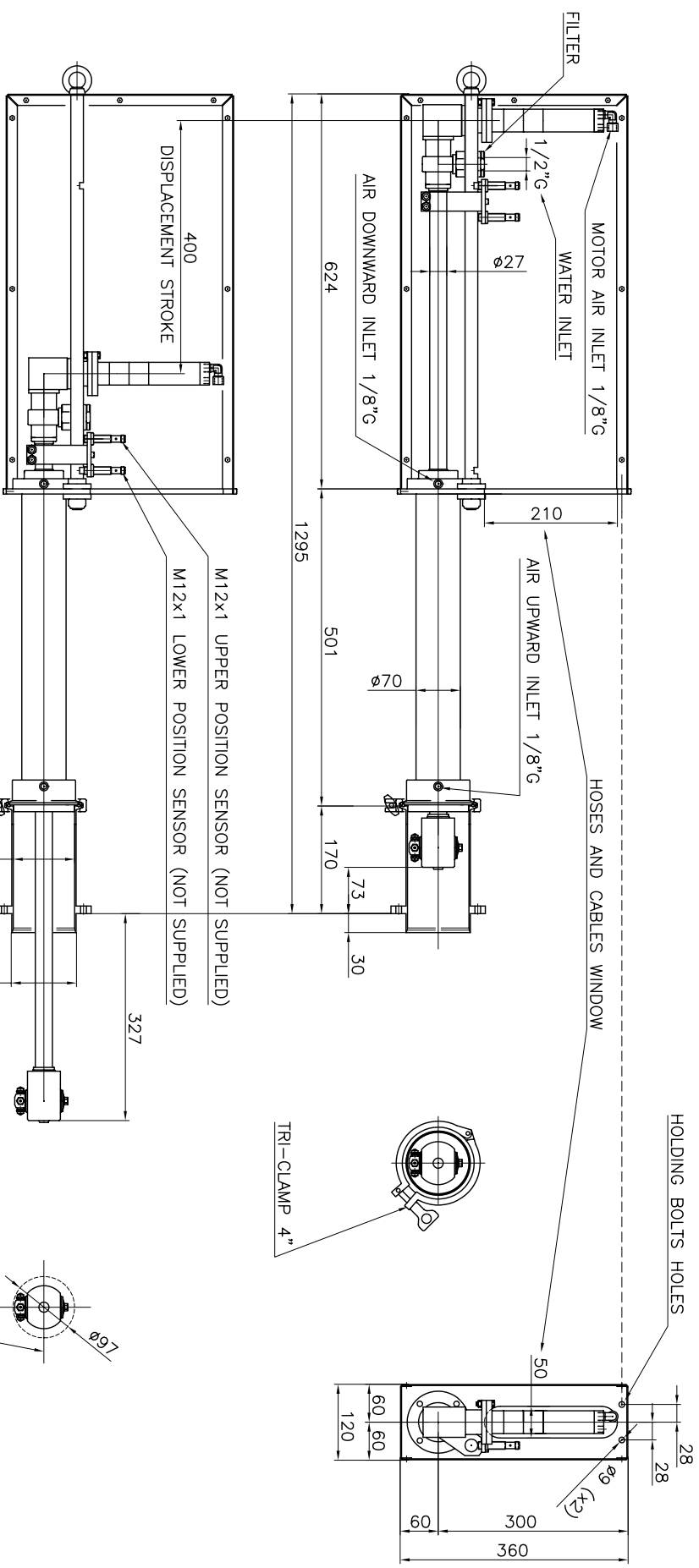
RUGOSITA' (UNI 4600)	MODIFICA	1	2	3	4	5	 CLEANING HEADS MONTECCHIO E. (RE) - ITALY
	FOGLIO						
	DATA						
	TOLLERANZE GENERALI classe m UNI-EN 22768/1						
GREZZO	0 ÷ 6 6 ÷ 30 30 ÷ 120 120 ÷ 400 400 ÷ 1000 1000 ÷ 2000						
~ = √	± 0.1	± 0.2	± 0.3	± 0.5	± 0.8	± 1.2	
SGROSS. 3.2/√	NOTE:						
∇ = 3.2/√							
FINITURA 1.6/√	MATERIALE:						
∇∇ = 1.6/√							
RETTIFICA 0.8/√	DESCRIZIONE: APPLICATION DRAWING						
∇∇∇ = 0.8/√	XC 150_180°FR-EER						
CODICE: XC 150_180°FR-EER							

file: XC 150_180°FR-EEN cm1



MAX FLOW	60 L/MIN.
MAX PRESSURE	200 BAR
NOZZLES POSITIONS	2 - 4
NOZZLE THREAD	1/8" G. SPECIAL
ELECTRIC MOTOR	56B5-4P-1400RPM-0.09KW-400V-3PH
GEARBOX	CM040U-1:80 RATIO
ROTATION SPEED	18 RPM
WASHING FULL CYCLE TIME	2 MIN.
HEAD MATERIAL	INOX
WEIGHT	12.5 KG.

RUGOSITA' (UNI 4600)	MODIFICA	1	2	3	4	5	
FOGLIO	XXXX						
DATA	XX XX XX						
GREZZO							
~ = 9/	TOLLERANZE GENERALI classe m UNI-EN 22768/1						
SGROSS. 3/2	0+6 6+30 30+120 120+400 400+1000 1000+2000						
± 0.1 ± 0.2 ± 0.3 ± 0.5 ± 0.8 ± 1.2							
NOTE:							
FINITURA 1/6	MATERIALE:						
RETIFICA 0.9/							
DESCRIZIONE: CONCRETE MIXER WASHING HEAD							
AUTOMATIC PROTECTION VERSION							
CODICE:							
XC 070E PT							



TECHNICAL DATA

O. RING	EPDM
SLIPPER	PTFE+CARBON FIBER
BUSHING	AINI 316
FILTER	700 MICRON
NOZZLES POSITIONS	4
NOZZLES SIZE	1/8"NPT
OPERATING FLOW	60 L/min
OPERATING PRESSURE	150 bar
MAX TEMPERATURE	90 °C
MATERIAL	INOX AISI 316 + BRASS + GALVANIZED STEEL
GEARS	FIXED Z=29 ROTATING Z=31
MODULE	1
FULL CYCLE	31 ROTATIONS
FULL CYCLE TIME	1.00 MIN. AT 3 BAR AIR PRESSURE
AIR MOTOR	ATLAS COPCO BA 720 INOX
WEIGHT	6.5 KG

AIR PRESSURE AND CONSUMPTION

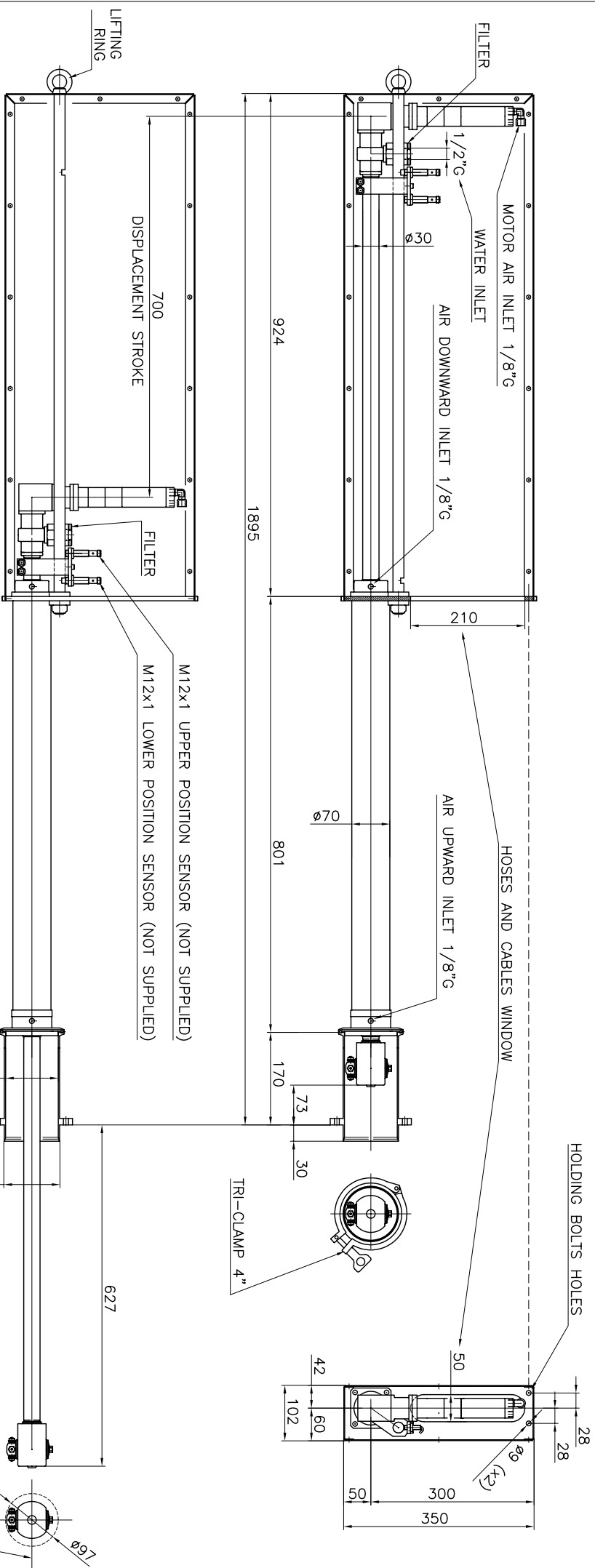
ROTATION SPEED	29 RPM	1 bar	26.4 L/min. AIR
ROTATION SPEED	42 RPM	2 bar	28.8 L/min. AIR
ROTATION SPEED	51 RPM	3 bar	300 L/min. AIR
ROTATION SPEED	58 RPM	4 bar	306 L/min. AIR
ROTATION SPEED	62 RPM	5 bar	312 L/min. AIR
ROTATION SPEED	66 RPM	6 bar	32.4 L/min. AIR

RUGOSITA' (UNI 4600)	MODIFICA	1	2	3	4	5
	FOGLIO	XXXX				
GREZZO	DATA	XX.XX.XX				
TOLLERANZE GENERALI close m. UNI-EN 22768/1						
±0.6	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2
NOTE:						
DESCRIZIONE: APPLICATION DRAWING						
XC 065 PPD-90°BA cm						
400 mm STROKE						
FINITURA 1,6/						
RETTIFICA 0,8/						
CODE: XC 065 PPD-90°BA						



DISGN.: CR CONTR.: DM
DATA: 22.01.10
MOD.

SCALE 1:9 A4 O



TECHNICAL DATA

O. RING	EPDM
SLIPPER	PTFE+CARBON FIBER
BUSHING	NICKEL BRONZE 25%
FILTER	700 MICRON
NOZZLES POSITIONS	4
NOZZLES SIZE	1/8"NPT
OPERATING FLOW	60 L/min
OPERATING PRESSURE	150 bar
MAX TEMPERATURE	90 °C
MATERIAL	INOX AISI 316
GEARS	FIXED Z=29 ROTATING Z=31
MODULE	1
FULL CYCLE	31 ROTATIONS
FULL CYCLE TIME	1.00 MIN. AT 3 BAR AIR PRESSURE
AIR MOTOR	ATLAS COPCO BA 720 INOX
AIR EXHAUST	FESTO SILENCER BP 415 ON MOTOR
WEIGHT	6.5 KG

AIR PRESSURE AND CONSUMPTION

ROTATION SPEED	29 RPM	1 bar	264 L/min. AIR
ROTATION SPEED	42 RPM	2 bar	288 L/min. AIR
ROTATION SPEED	51 RPM	3 bar	300 L/min. AIR
ROTATION SPEED	58 RPM	4 bar	306 L/min. AIR
ROTATION SPEED	62 RPM	5 bar	312 L/min. AIR
ROTATION SPEED	66 RPM	6 bar	324 L/min. AIR

RUGOSITA' (UNI 4600)	MODIFICA	1	2	3	4	5
	FOGLIO	XXXX				
GREZZO	DATA	XX.XX.XX				
SGROSS.	TOLLERANZE GENERALI	close m	UNI-EN 22768/1			
FINITURA	NOTE:	0-6	6-30	30-120	120-400	400-1000
RETTIFICA	DESCRIZIONE:	± 0.1	± 0.2	± 0.3	± 0.5	± 0.8
		± 1.2				
	DESCRIZIONE:	APPLICATION DRAWING				
		XC 061 PEBD S3A				
	file:	XC 061 PEBD S3A cm				
	CODICE:	XC 061PEBD S3A				

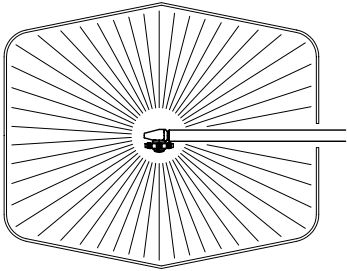
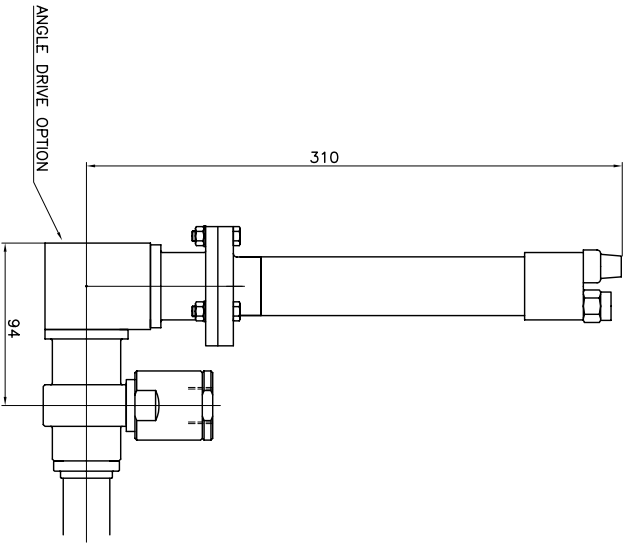
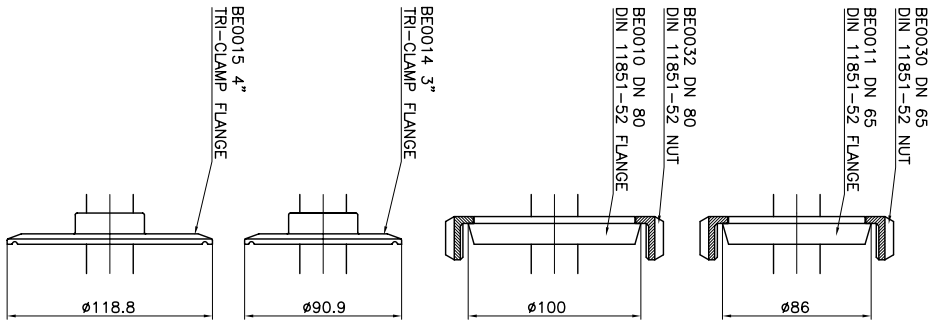
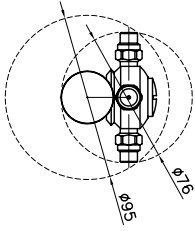
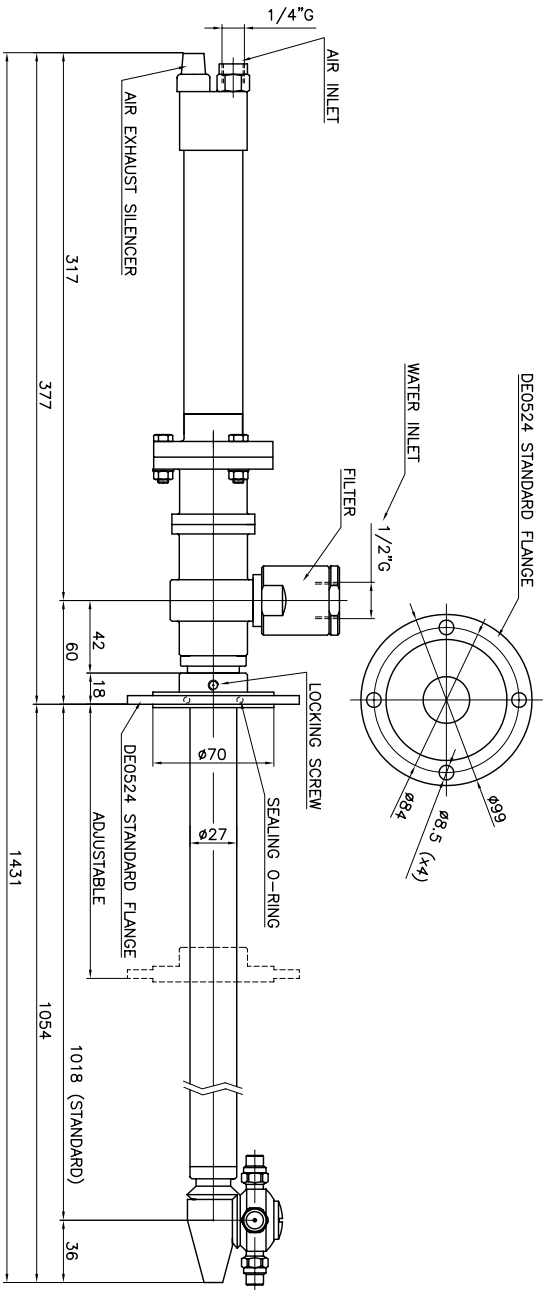


DISIGN.: CR CONTR.: DM
DATA: 26.05.08
MOD.

SCALE 1:9 A4 O

ROTATION SPEED AIR PRESSURE AND CONSUMPTION					
19 RPM	1 bar	155 L/min			
28 RPM	2 bar	230 L/min			
33 RPM	3 bar	275 L/min			
37 RPM	4 bar	320 L/min			
40 RPM	5 bar	360 L/min			
51 RPM	6 bar	395 L/min			

TECHNICAL DATA	
O-RING	NBR – EPDM – VITON
SUPPER	PTFE+CARBON FIBRE
BUSHING	ALSI 316
FILTER	700 MICRON
NOZZLES POSITIONS	2 – 4
NOZZLES THREAD	1/8"NPT
TESTING NOZZLES	0 x 0000
OPERATING FLOW RANGE	0 – 60 L/min
TESTING FLOW	00 L/min
OPERATING PRESSURE RANGE	0 – 200 bar
TESTING PRESSURE	000 bar
CENTER LINE MIN PASS THROUGH HOLE	95 mm
MANUAL MIN PASS THROUGH HOLE	76 mm
PIPE LENGHT	1018 mm (STANDARD)
MAX OPERATING TEMPERATURE	90 °C
MATERIAL	INOX ALSI 316
CONICAL GEARS	FIXED Z=29 ROTATING Z=31
MODULE	1
FULL CYCLE	31 ROTATIONS
FULL CYCLE TIME	1 min AT 3 BAR AIR PRESSURE
AIR MOTOR	BA0705 FIAM M15Z
AIR EXHAUST	WITH SILENCER
ROTATION SPEED	SEE CHART
WEIGHT	7.5 KG

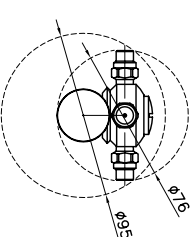
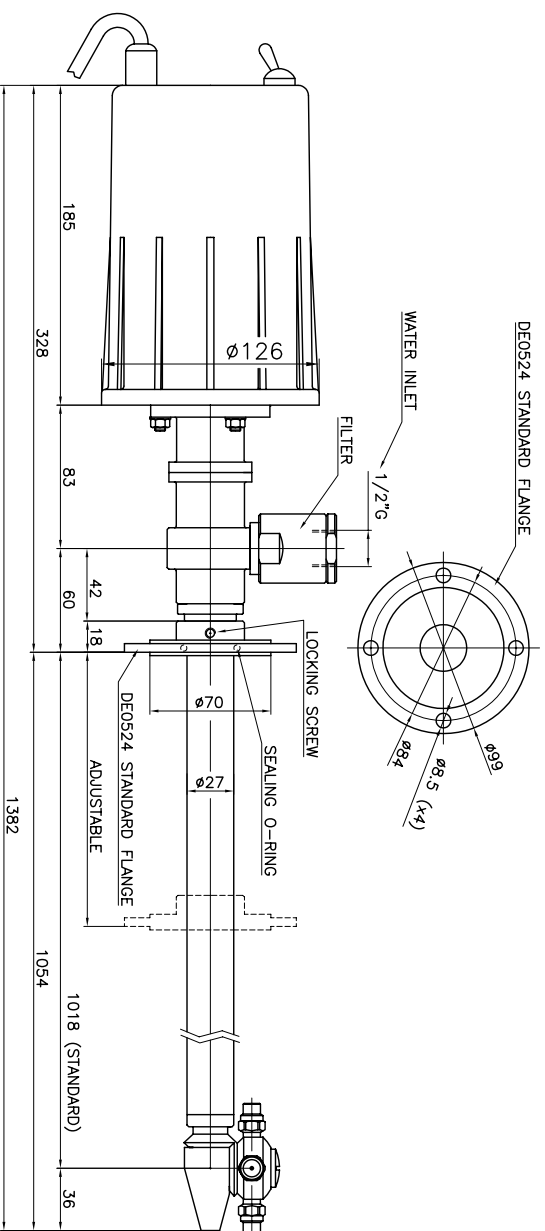


RUGOSITA' (UNI 4600)	MODIFICA	1	2	3	4	5
FOGLIO	XXXX					
DATA	XX.XX.XX					
GREZZO						
$\sim = \varnothing$	TOLLERANZE GENERALI classe m UNI-EN 22768/1					
SGROSS. $3.2/\sqrt{}$	0÷6 ±0.1 ±0.2 ±0.3 ±0.5 ±0.8 ±1.2					
NOTE:						
FINITURA $1.6/\sqrt{}$	DESCRIZIONE: XC 061 P					
RETIFICA $0.8/\sqrt{}$	APPLICATION DRAWING					
$\sqrt{\sqrt{\sqrt{}}} = 0.8/\sqrt{}$						



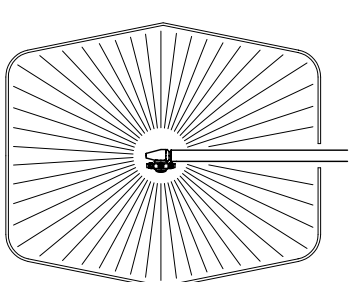
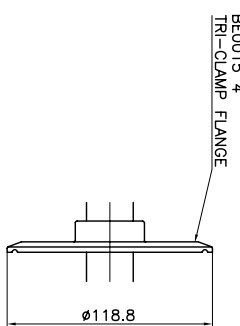
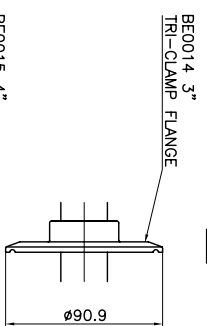
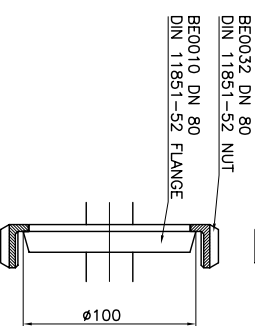
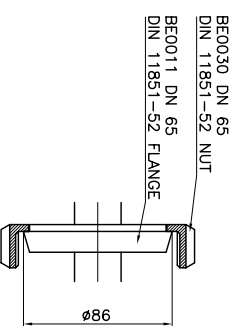
MONTECCHIO E. (RE) - ITALY
DISIGN.: CR ICONTR.: DM
DATA: 06.10.08 MOD.

SCALA 1:3 A3 0
CODICE: XC 061 P



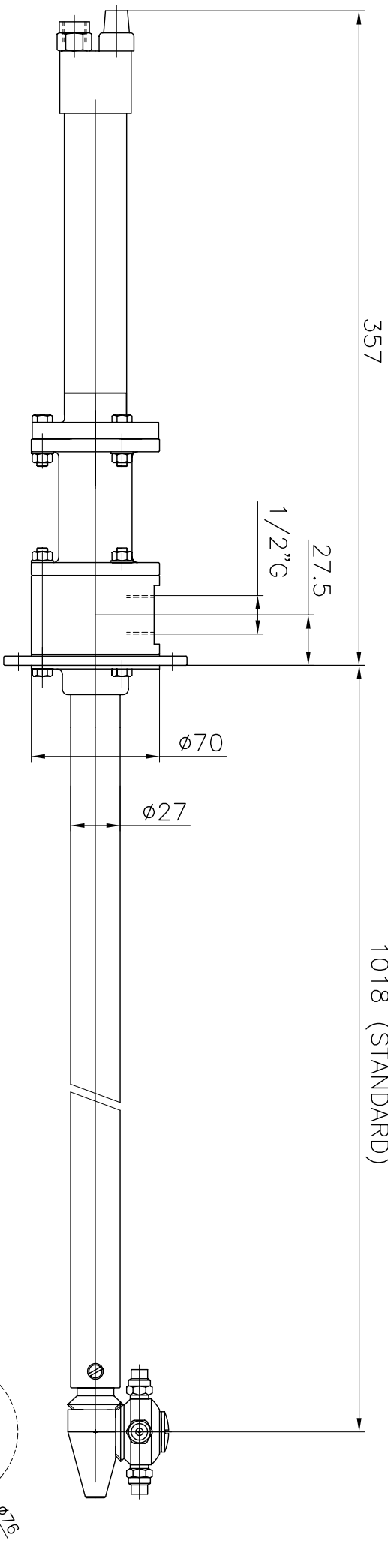
TECHNICAL DATA

O-RING	NBR – EPDM – VITON	
SLIPPER	PTFE+CARBON FIBRE	
BUSHING	AISI 316	
FILTER	700 MICRON	
NOZZLES POSITIONS	2 – 4	
NOZZLES THREAD	1/8"NPT	
TESTING NOZZLES	0 x 0000	
OPERATING FLOW RANGE	0 – 60 L/min	
TESTING FLOW	00 L/min	
OPERATING PRESSURE RANGE	0 – 200 bar	
TESTING PRESSURE	000 bar	
CENTER LINE MIN PASS THROUGH HOLE	95 mm	
MANUAL MIN PASS THROUGH HOLE	76 mm	
PIPE LENGTH	1018 mm (STANDARD)	
MAX OPERATING TEMPERATURE	90 °C	
MATERIAL	INOX AISI 316	
CONICAL GEARS	FIXED Z=29 ROTATING Z=31	
MODULE	1	
FULL CYCLE	31 ROTATIONS	
GEARBOX	W/MOTOR	BB0743 BB0743 BB0743
ELECTRIC MOTOR	BB0015	BA0105 BA0102 BA0108
ELECTRIC MOTOR VOLTS	24V AC/DC	48V 50Hz 1ph 230V 50Hz 1ph 400V 50Hz 3ph
ELECTRIC MOTOR AMPS	0.30 A	1.15 A 0.23 A 0.10 A
ROTATION SPEED	17 RPM	14 RPM 14 RPM
FULL CYCLE TIME	1.8 min	2.2 min 2.2 min
WEIGHT	7.5 KG	



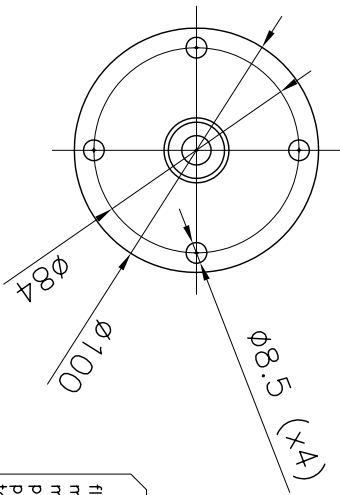
RUGOSITA' (UNI 4600)	MODIFICA	1	2	3	4	5
GREZZO	FOGLIO	XXXX				
~ = Ø	DATA	XX.XX.XX				
SGROSS. 3.2/	TOLLERANZE GENERALI classe m	UNI-EN 22768/1				
∇ = ∇	0÷6	6÷30	30÷120	120÷400	400÷1000	1000÷2000
FINITURA 1.6/	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2
RETTIFICA ∇∇ = ∇	NOTE:					
∇∇∇ = ∇	DESCRIZIONE:	XC 061 E APPLICATION DRAWING				
	SCALA	1:3 A3 0				
	CODICE:	XC 061 E				



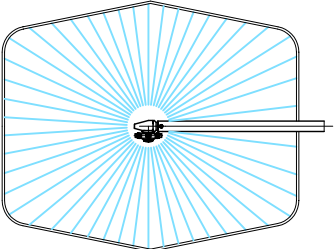
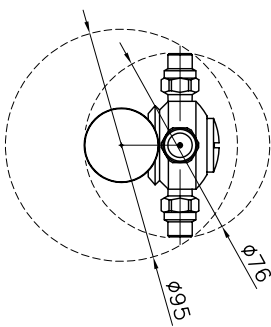


ROTATION SPEED
AIR PRESSURE AND CONSUMPTION

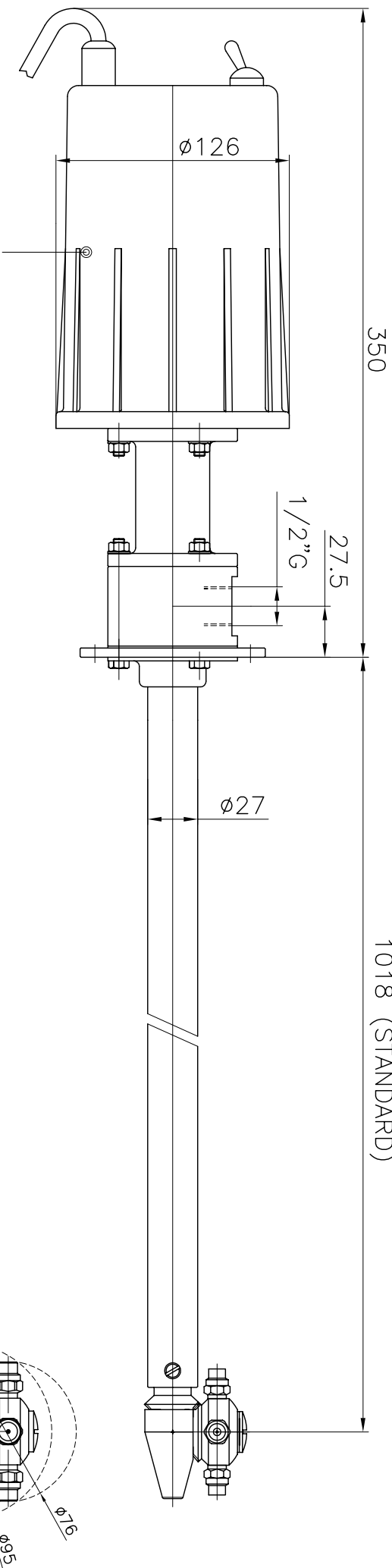
19 RPM	1 bar	155 L/min
28 RPM	2 bar	230 L/min
33 RPM	3 bar	275 L/min
37 RPM	4 bar	320 L/min
40 RPM	5 bar	360 L/min
51 RPM	6 bar	395 L/min



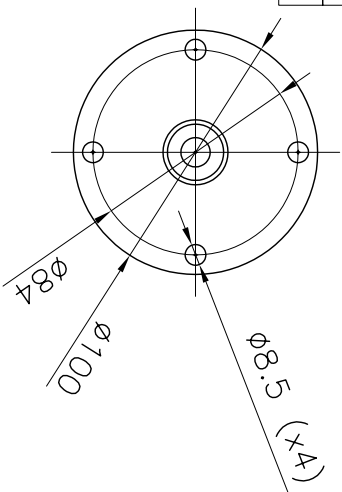
flangitura: coassiale materiale: inox 316 motore: pneumatico portata max: 60 l/min pressione max: 400 bar temperatura max: 100°C tenute: nbr, epdm, viton ugelli: 1/8" G portaugelli: 2-4 vie	flanging: coaxial material: stainless steel 316 motor: pneumatic flow max: 60 l/min pressure max: 400 bar temperature max: 100°C seals: nbr, epdm, viton nozzles: 1/8" G nozzle holder: 2-4 holes
---	---



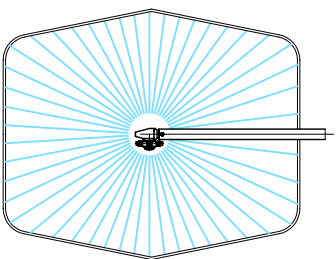
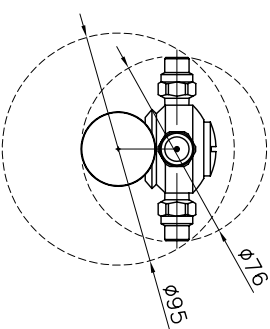
RUGOSITA' (UNI 4600)	MODIFICA	1	2	3	4	5
GREZZO	FOGLIO	XXXX				
SGROSS.	DATA	XX.XX.XX				
FINITURA	TOLLERANZE GENERALI classe m UNI-EN 22768/1	0 ÷ 6	6 ÷ 30	30 ÷ 120	120 ÷ 400	400 ÷ 1000
RETTIFICA		± 0.1	± 0.2	± 0.3	± 0.5	± 0.8
VVV = V	NOTE: VERSION 400 BAR					± 1.2
	DESCRIZIONE: DISEGNO DI APPLICAZIONE					
	XC 060 P					
	INSTALLATION DRAWING					
	XC 060 P					
	SCALE	1:3	A4	O		
	CODICE:	XC	060	P		
	DISEGN.: CR	CONTR.: DM				
	DATA: 01.01.05					
	MONTECCHIO E. (RE) - ITALY					
	CLEANING HEADS					
	MOD.					



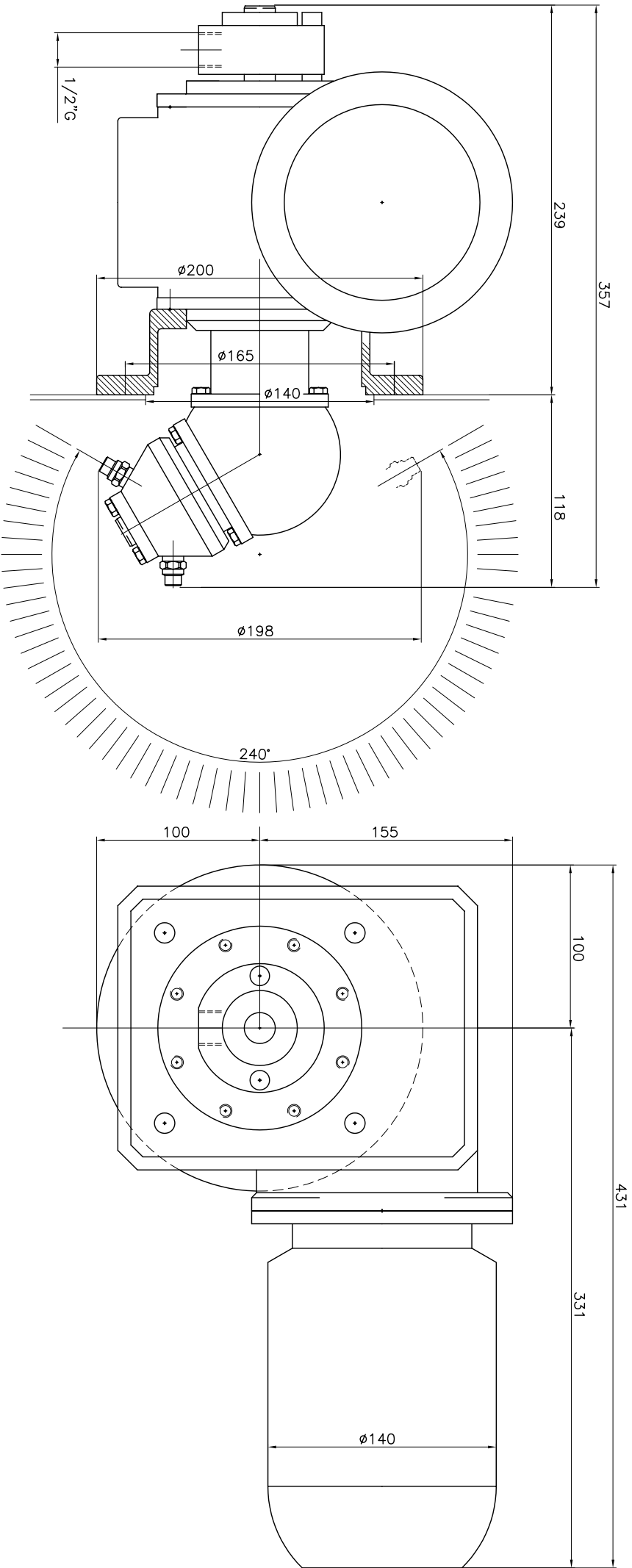
motore elettrico: 24V, 48V, 230V, 380V, antideflagrante
electric motor: 24V, 48V, 230V, 380V, explosion-proof



flangiatura: coassiale materiale: inox 316 motore: elettrico portata max: 60 l/min pressione max: 400 bar temperatura max: 90°C tenute: nbr, epdm, viton ugelli: 1/8" G portaugelli: 2-4 vie	flanging: coaxial material: stainless steel 316 motor: electric flow max: 60 l/min pressure max: 400 bar temperature max: 90°C seals: nbr, epdm, viton nozzles: 1/8" G nozzle holder: 2-4 holes
--	---

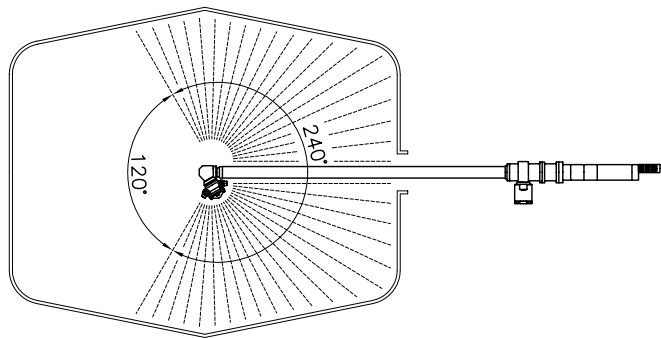
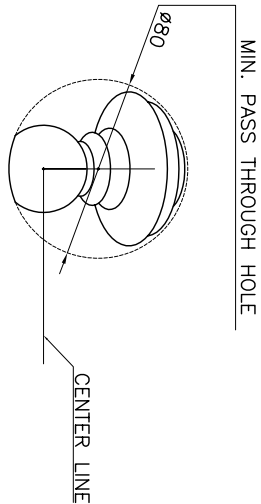
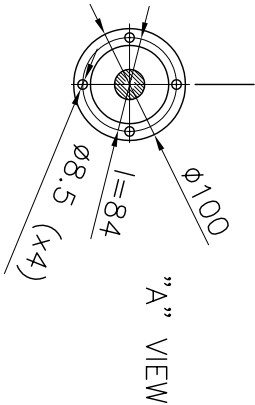
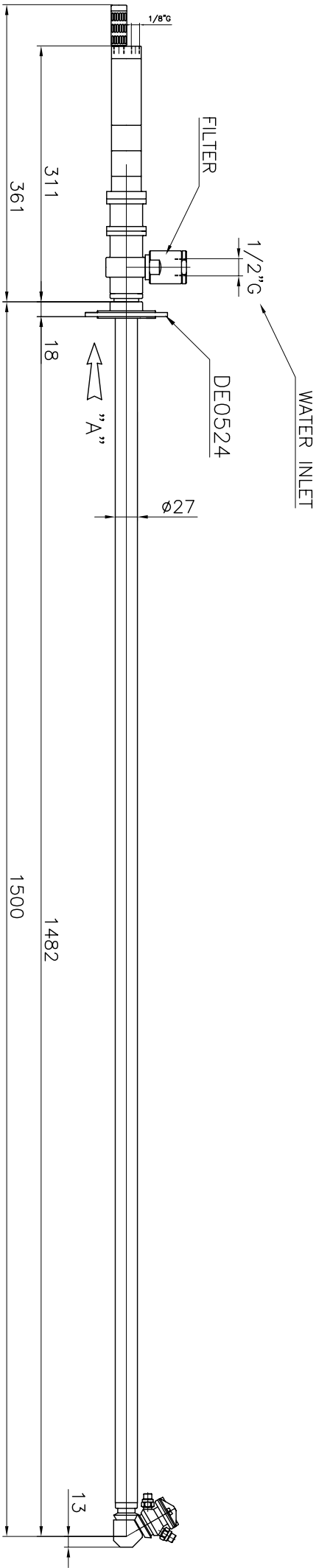


RUGOSITA' (UNI 4600)	MODIFICA	1	2	3	4	5
	FOGLIO	XXXX				
	DATA	XX.XX.XX				
	TOLLERANZE GENERALI classe m UNI-EN 22768/1					
~ = √	0 ÷ 6	6 ÷ 30	30 ÷ 120	120 ÷ 400	400 ÷ 1000	1000 ÷ 2000
	± 0.1	± 0.2	± 0.3	± 0.5	± 0.8	± 1.2
SGROSS. 3.2/	NOTE: VERSION 400 bar					
∇ = √						
FINITURA						
∇∇ = 1.6/						
RETTIFICA						
∇∇∇ = 0.8/						
	DESCRIZIONE: DISEGNO DI APPLICAZIONE					
	XC 060 E					
	INSTALLATION DRAWING					
	XC 060 E					
						
	CLEANING HEADS					
	MONTECCHIO E. (RE) - ITALY					
	DISEGN.: CR		CONTR.: DM			
	DATA: 01.01.05		MOD.			
	SCALA					
	1:3		A4		O	
	CODICE:					
	XC		060		E	



PORTATA MAX	MAX FLOW	100 litri/min.
PRESSIONE MAX	MAX PRESSURE	150 bar
N° UGELLI	NOZZLES POSITIONS	4
FILETTATURA UGELLI	NOZZLE THREAD	1/4"NPT
MOTORE ELETTRICO	ELECTRIC MOTOR	71B5-4POLI-1400RPM-0.37KW-3PH-400V-50HZ
RIDUTTORE	GEARBOX	W75 - RAPPORTO 1:80 RATIO
VELOCITA' ROTAZIONE	ROTATION SPEED RPM	18
MATERIALE TESTA	HEAD MATERIAL	INOX
PESO	WEIGHT	19.5 Kg.

RUGOSITA' (UNI 4600)	MODIFICA 1	2	3	4	5
GREZZO	FOGLIO	XXXX			
~ = ∅	DATA	XX.XX.XX			
SGROSS. 3/2	TOLLERANZE GENERALI classe m	UNI-EN 22768/1			
∇ = 3/2	0±0.6	6±30	30±120	120±400	400±1000
FINITURA 1/2	±0.1	±0.2	±0.3	±0.5	±0.8
RETTIFICA 0.8	NOTE:				
∇∇ = ∇	MATERIALE:				
∇∇∇ = ∇	DESCRIZIONE: CONCRETE MIXER WASHING HEAD				
	TESTA LAVAGGIO SISTEMI BETONAGGIO				
	MOD.:				
	SCALA 1:2				
	DISIGN.: CR				
	DATA: 29.09.10				
	CONTR.: DM				
	MOD.:				
	XC059E				

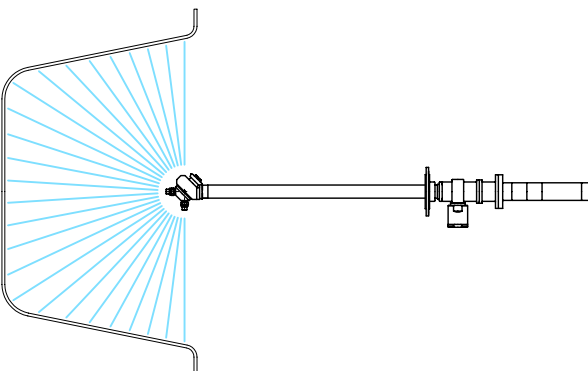
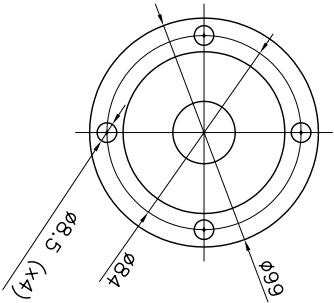
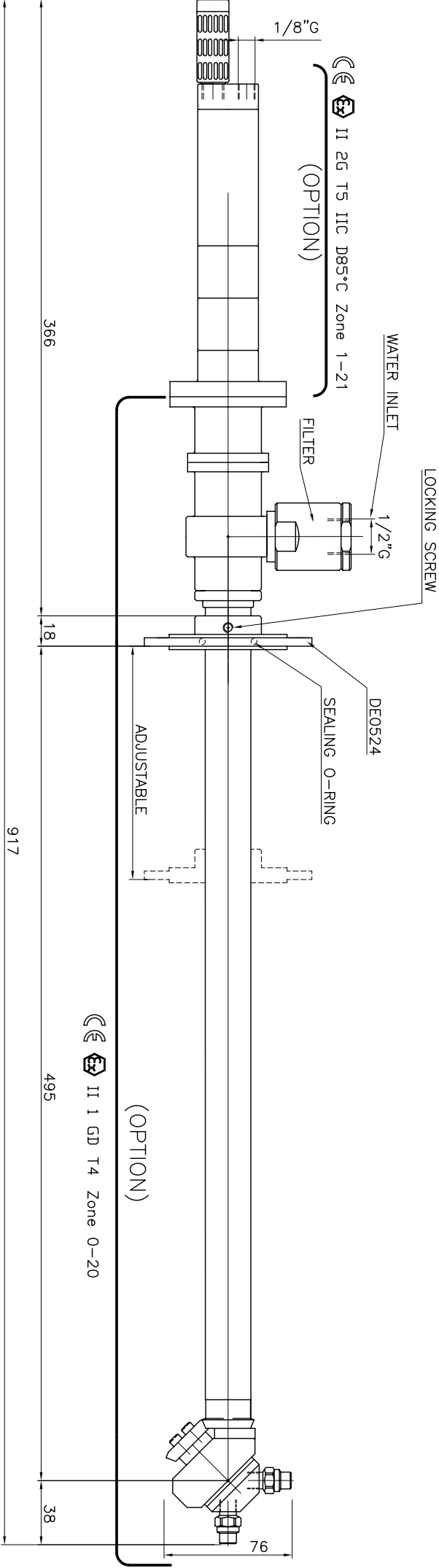


TECHNICAL DATA	
O.RING	EPDM
SLIPPER	PTFE+CARBON FIBER
BUSHING	NICKEL BRONZE 25%
FILTER	700 MICRON
NOZZLES POSITIONS	4
NOZZLES SIZE	1/8"NPT
OPERATING FLOW	60 L/min
OPERATING PRESSURE	150 bar
MAX TEMPERATURE	90 °C
MATERIAL	INOX AISI 316
GEARS	FIXED Z=29 ROTATING Z=31
MODULE	1
FULL CYCLE	31 ROTATIONS
FULL CYCLE TIME	1.00 MIN. AT 3 BAR AIR PRESSURE
AIR MOTOR	ATLAS COPCO BA 720 INOX
AIR EXHAUST	FESTO SILENCER BP 415 ON MOTOR
WEIGHT	6.5 KG

AIR PRESSURE AND CONSUMPTION									
ROTATION SPEED	29 RPM	1 bar	264 L/min.	AIR	ROTATION SPEED	42 RPM	2 bar	288 L/min.	AIR
ROTATION SPEED	51 RPM	3 bar	300 L/min.	AIR	ROTATION SPEED	58 RPM	4 bar	306 L/min.	AIR
ROTATION SPEED	62 RPM	5 bar	312 L/min.	AIR	ROTATION SPEED	66 RPM	6 bar	324 L/min.	AIR

RUGOSITA' (UNI 4600)		MODIFICA	1	2	3	4	5
GREZZO		FOGLIO	XXXX				
~ = Ø		DATA	XX.XX.XX				
SGROSS. 3/2		TOLLERANZE GENERALI close m UNI-EN 22768/1					
▽ = 3/2		0+6 6+30 30+120 120+400 400+1000 1000+2000					
FINITURA 1,6/		VERSION: 01					
RETTIFICA 0,8/		NOTE:					
VVV = 0,8/		DESCRIPTION: APPLICATION DRAWING					
		CODICE: XC031_240°BK-PE.01					
		SCALA 1:3 A4 0					
		DISEGN.: CR CONTR.: DM					
		DATA: 14.09.07 MOD.					





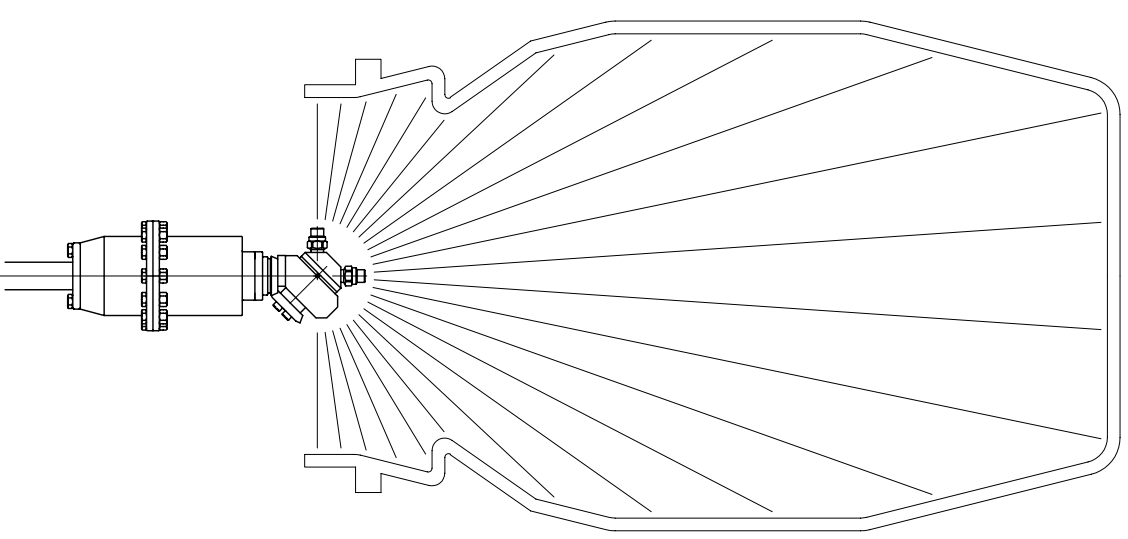
TECHNICAL DATA

O.RING	NBR-EPDM-VITON
SLIPPER	PTFE+CARBON FIBER
FILTER	700 MICRON
NOZZLES POSITIONS	2 - 4
NOZZLES SIZE	1/8"NPT
OPERATING FLOW	MAX 60 L/min
OPERATING PRESSURE	MAX 200 bar
MAX TEMPERATURE	90 °C
MATERIAL	INOX AISI 316
FULL CYCLE	31 ROTATIONS
FULL CYCLE TIME	1.00 MIN. AT 3 BAR AIR PRESSURE
WEIGHT	4.9 KG

AIR PRESSURE AND CONSUMPTION

ROTATION SPEED	29 RPM	1 bar	264 L/min. AIR
ROTATION SPEED	42 RPM	2 bar	288 L/min. AIR
ROTATION SPEED	51 RPM	3 bar	300 L/min. AIR
ROTATION SPEED	58 RPM	4 bar	306 L/min. AIR
ROTATION SPEED	62 RPM	5 bar	312 L/min. AIR
ROTATION SPEED	66 RPM	6 bar	324 L/min. AIR

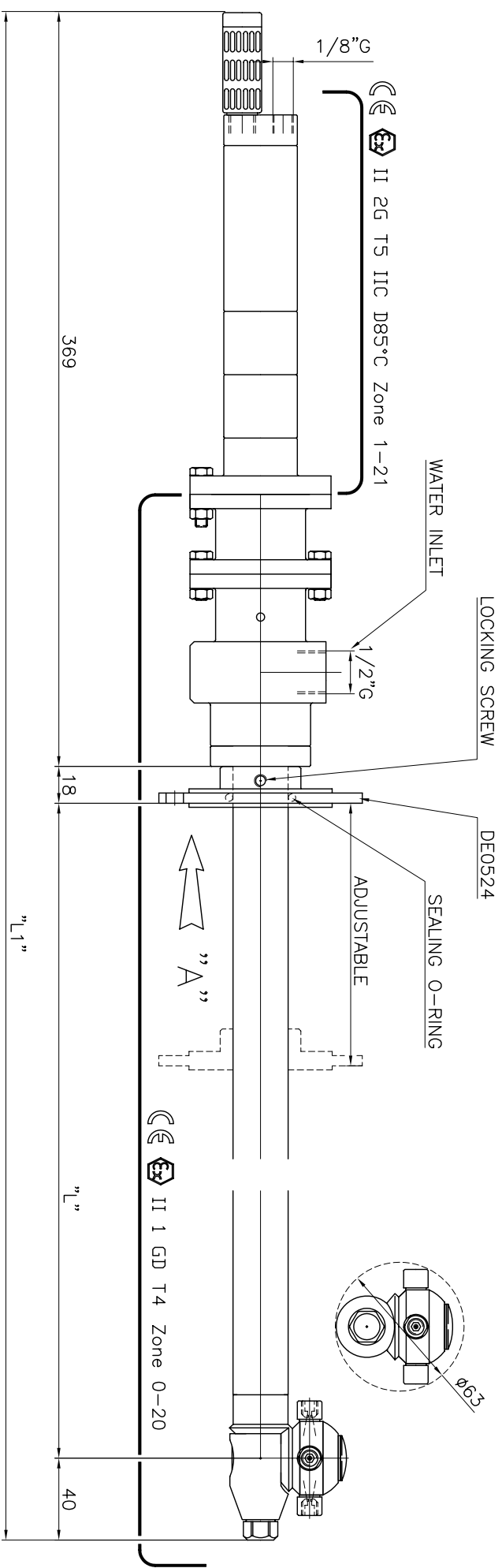
RUGOSITA' (UNI 4600)	MODIFICA	1	2	3	4	5	 CLEANING HEADS MONTECCHIO E. (RE) - ITALY DISIGN.: CR ICONTR.: DM DATA: 27.10.09 SCALA 1:2 A3 0	
GREZZO	FOGLIO	xxxx						
~ = ϕ	DATA	xx.xx.xx						
SGROSS.	TOLLERANZE GENERALI classe m UNI-EN 22768/1	0÷6	16÷30	30÷120	120÷400	400÷1000		1000÷2000
±0.1	±0.2	±0.3	±0.5	±0.8	±1.2			
▽ = $\frac{\Delta}{\sqrt{A}}$	NOTE:							
FINITURA	MATERIALE:	INOX						
RETIFICA								
DESCRIZIONE:	APPLICAZIONE	DRAWING						
XC 031_180FR-PPD.01								
CODICE:								
XC 031_180FR-PPD.01								



O.RING	EPDM
--------	------

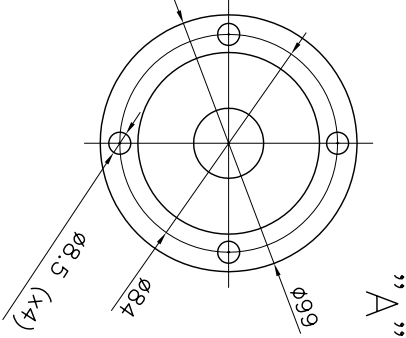
SLIPPER	PTFE+CARBON FIBRE
FILTER	700 MICRON
NOZZLES POSITIONS	2-4
NOZZLES TYPE	1/8"NPT
MAX OPERATING FLOW	60 L/min
MAX OPERATING PRESSURE	150 bar
MAX OPERATING TEMPERATURE	90 °C
MATERIAL	INOX AISI 316
CONICAL GEARS	FIXED Z=29 ROTATING Z=31
MODULE	1
COMPLETE CYCLE	31 ROTATIONS
COMPLETE CYCLE TIME	30 SEC
ROTATION SPEED	60 RPM
WEIGHT	7.5 KG

RUGOSITA' (UNI 4600)	MODIFICA	1	2	3	4	5
	FOGLIO	XXXX				
	DATA	XX.XX.XX				
	TOLLERANZE GENERALI classe m UNI-EN 22768/1					
	0÷6	6÷30	30÷120	120÷400	400÷1000	1000÷2000
GREZZO	~ =	∅				
SGROSS.	~ =	3.2/				
∇ =	∇					
FINITURA	∇∇ =	1.6/				
RETTIFICA	∇∇∇ =	0.8/				
DESCRIZIONE: APPLICATION DRAWING XC031_180°FR-AAM.01						
NOTE: file: XC 061 AAH cm						
DISGN.: CR CONTR.: DM						
DATA: 07.05.08						
MOD.						
SCALE 1:2 A4 O						
CODICE: XC031_180°FR-AAM.01						



TECHNICAL DATA

O-RING	NBR-EPDM-VITON
SLIPPER	PTFE+CARBON FIBER
BUSHING	AISI 316
NOZZLES POSITIONS	2 - 4
NOZZLES SIZE	SPECIAL 1/8"G
OPERATING FLOW	MAX 60 L/min
OPERATING PRESSURE	MAX 500 bar
MAX TEMPERATURE	90 °C
MATERIAL	INOX AISI 316
GEARS	FIXED Z=29 ROTATING Z=31
MODULE	1
FULL CYCLE	31 ROTATIONS
FULL CYCLE TIME	1.00 MIN. AT 3 BAR AIR PRESSURE
AIR MOTOR	ATLAS COPCO ATEX BA 725 INOX
AIR EXHAUST	FESTO SILENCER BP 415 ON MOTOR
WEIGHT	4.9 KG



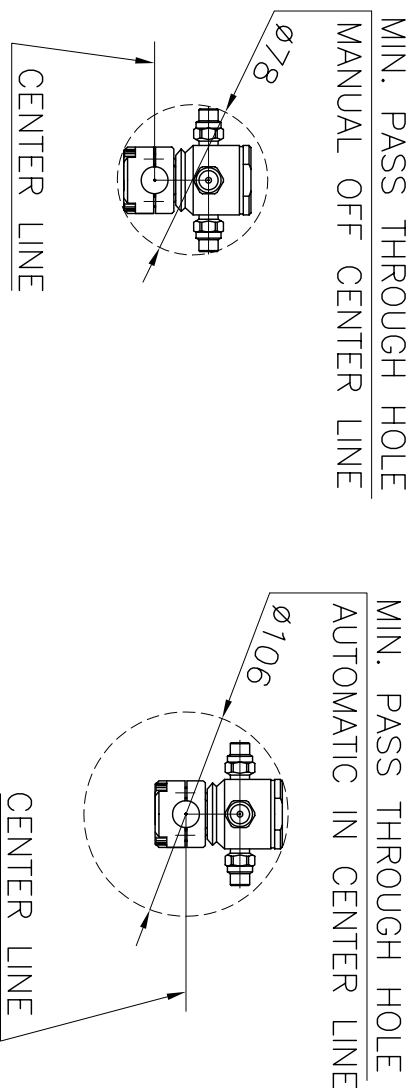
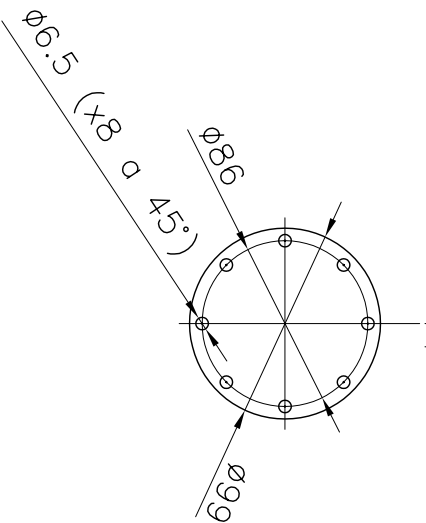
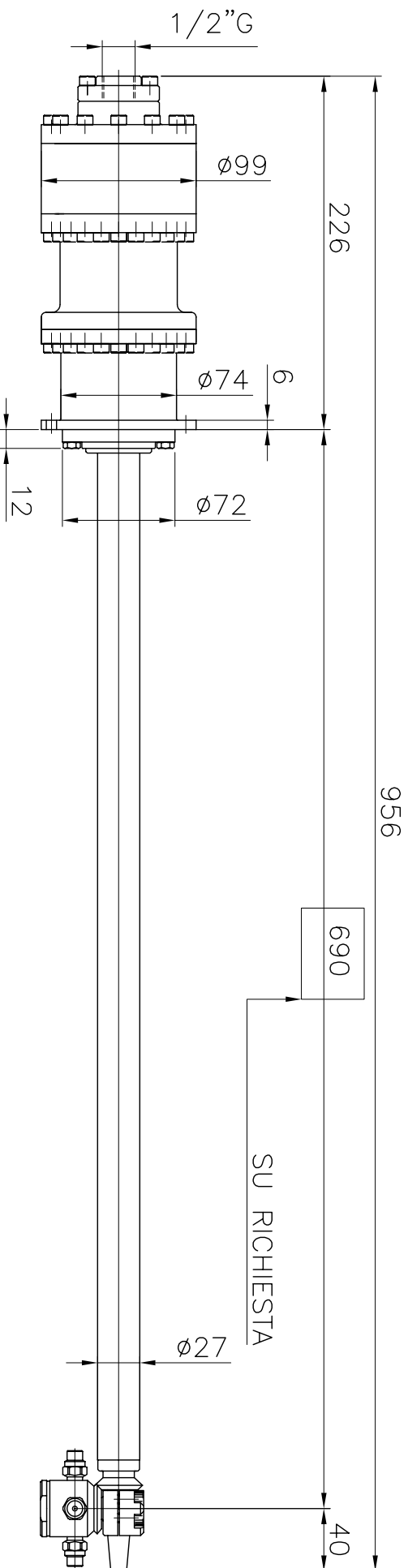
"A" VIEW

DIMENSION "L"	DIMENSION "L1"
526	953
1026	1453
1526	1953
2026	2453
2526	2953
3026	3453
3526	3953
4026	4453

AIR PRESSURE AND CONSUMPTION

ROTATION SPEED	29 RPM	1 bar	264 L/min. AIR
ROTATION SPEED	42 RPM	2 bar	288 L/min. AIR
ROTATION SPEED	51 RPM	3 bar	300 L/min. AIR
ROTATION SPEED	58 RPM	4 bar	306 L/min. AIR
ROTATION SPEED	62 RPM	5 bar	312 L/min. AIR
ROTATION SPEED	66 RPM	6 bar	324 L/min. AIR

RUGOSITA' (UNI 4600)	MODIFICA	1	2	3	4	5
GREZZO	FOGLIO	XXXX				
DATA	XX.XX.XX					
TOLLERANZE GENERALI classe m UNI-EN 22768/1						
0÷6	6÷30	30÷120	120÷400	400÷1000	1000÷2000	
±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	
SGROSS. 3/2	NOTE:					
V = 3/2						
FINITURA 1,6	MATERIALE:					
VV = V						
RETTIFICA 0,8						
VVV = V						
DESCRIZIONE: APPLICATION DRAWING						
XC 561 P cm						
CODICE: XC 561 P cm						
SCALA 1:2						
A3						
0						
DISIGN.: CR I CONTR.: DM						
MOD.						
DATA: 21.01.10						
MONTECCHIO E. (RE) - ITALY						
CLEANING HEADS						
Bozonetti						



TECHNICAL DATA	
temperature max	90°C
pressure max	500 bar
flow	15-60 l/min
spinning speed	16 rpm
washing cycle time	2 min
water inlet	1/2" G
inlet filter	700 micron
material	INOX
seals	NBR
nozzle size	1/8" NPT
nozzles positions	2 - 4
weight	9.5 Kg

RUGOSITA' (UNI 4600)	MODIFICA	1	2	3	4	5
	FOGLIO	XXXX				
GREZZO	DATA	XX.XX.XX				
	TOLLERANZE GENERALI classe m UNI-EN 22768/1					
~ = ∅	0 ÷ 6	6 ÷ 30	30 ÷ 120	120 ÷ 400	400 ÷ 1000	1000 ÷ 2000
SGROSS. 3.2/ ∇ = ∇	± 0.1	± 0.2	± 0.3	± 0.5	± 0.8	± 1.2
NOTE: 21.07.08						
FINITURA ∇∇ = ∇	MATERIALE:					
RETTIFICA ∇∇∇ = ∇	DESCRIZIONE: XC 563AAO INSTALLATION DRAWING					
 CLEANING HEADS MONTECCHIO E. (RE) - ITALY						
DISEGN.: CR		CONTR.: DM				
DATA: 19.11.07				MOD.		
SCALE 1:1		A4		O		
CODICE: XC 563AAO						

OFF. MECC. BOLONDI IVANO
Via Volta, 4
42027 Montecchio Emilia
Reggio Emilia - ITALY
phone +39 0522 864434
fax +39 0522 865780
www.bolondi.com