



H & M DISINFECTON SYSTEMS LTD

www.hm-dis.com

Product Catalogue

H&M Disinfection Systems

Tel: +44 (0) 1606 49845

Fax: +44 (0) 1606 330321

Email: sales@hm-dis.com

<http://www.hm-dis.com>

Centralised washing system

Medium Pressure from 20 to 40 Bar



Modula Smart is the best solution for medium pressure washing.

The combination of high efficiency electric motors and inverters, together with a selection of top quality components designed specifically by H&M, has resulted in a highly versatile system with variable speed pumps.

The heart of the control module consists of a PLC and 5.6" graphic touch screen, with two microcontrollers, one dedicated to controlling the graphic touch screen, a 320x240 backlit blue LCD, ideal for displaying data, graphics and parameter settings, an excellent solution for controlling and automating very complex systems.

Integration with 4/20 mA pressure, flow rate and temperature transducers and various control sensors, with control software developed entirely by H&M's technical team complete the system, making it completely independent in both operation and safety functions.

Modula Smart is therefore H&M's solution to the problem of energy waste, enabling the electrical power consumed to be modulated according to the mechanical demand of the motor shaft. This in the presence of variable loads improves energy efficiency, obtaining:

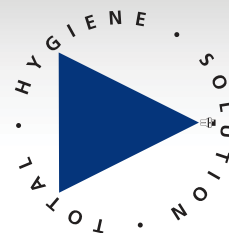
- Energy savings as high as 30-40% depending on load
- More efficient use of the motor, increasing its working life
- Less heat dissipated by the electric motor
- Less vibration on start up and operation of the pump assembly, thanks to modulation of power in relation to the flow rates required
- Electrical circuit optimised in both the transient and full-load current drawn
- The inverter ensures a return on investment generally in less than 24 months

For different flow rate and pressure requirements contact our technical office who will always be happy to discuss and analyse the most feasible solution for your specific needs.

Modula
Smart

Tecnologia
Inverter

1



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

Optional accessories



S/s nozzle 1/4"
Code 194xx

S/s washing lance cm 90 without nozzle
Complete with S/s male quick coupling
(cm 70) Code 11114/STS14
(cm 90) Code 11211/STS14



S/s foam lance 30cm complete nozzle
with S/s male quick coupling
Code 11209/S



S/s quick release complete with nozzle
straight jet and protection
Code 90240/S



H.p. gun complete with swivel
Code 25103/ST



Blue Food hose 1/2" max 50 Bar
L= 20 or 25 or 30 mt.



S/s manual hose reel
Code 10420/X/BS
(with hose)
Code 10400/X
(without hose)



Quick coupling and fittings




S/s automatic hose reel
Code 10520/BS

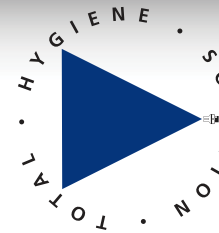


Wide range of foam dispenser stations - Stationary and mobile

Modula
Smart

Tecnologia
Inverter 

1



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com



Modula Smart Tecnologia Inverter

1



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

AVAILABLE CONFIGURATION

MODEL	PUMPS ON BOARD	TOTAL FLOW RATE (Lt/min)	PRESSURE (Bar)	POWER (Kw)	DIMENSIONS (LxHxD)	MAX NUMBER OF USERS
MODULA Smart 2	2	150	40	15	1500 x 1800 x 700	6~8
MODULA Smart 3	3	225	40	22,5	2000 x 1800 x 700	9~11
MODULA Smart 4	4	300	40	30	2500 x 1800 x 700	12~14

TECHNICAL DETAILS

- Low voltage controls (24 volt).
- Pressure adjustment.
- Automatic water flow adjustment.
- Control module complete with Plc - graphic Touch Screen 5,7"
- Operating Software created by H&M.
- Control and indication of variables on LCD screen .
- Setting of all the parametres by PLC.
- Pid system for the pump pressure control.
- Transducer of Pressure 4/20 mA.
- Trasducer of flow 4/20 mA.
- Electronic flow sensor.
- Automatic switch of the pump if not used.
- Possibility to have different pressure and flow in different washing zones.
- Water flow interlock.
- Over temperature safety control.
- Additiona safety control on the entire system.
- Control and temperature adjustment (Optional).
- IP65 electric control panel.
- IP65 S/s electric control panel (Optional)
- Impeller pumps with integrated inverter.
- 500 Lt water tank and centrifugal pump .
- S/s frame.



Modula Smart

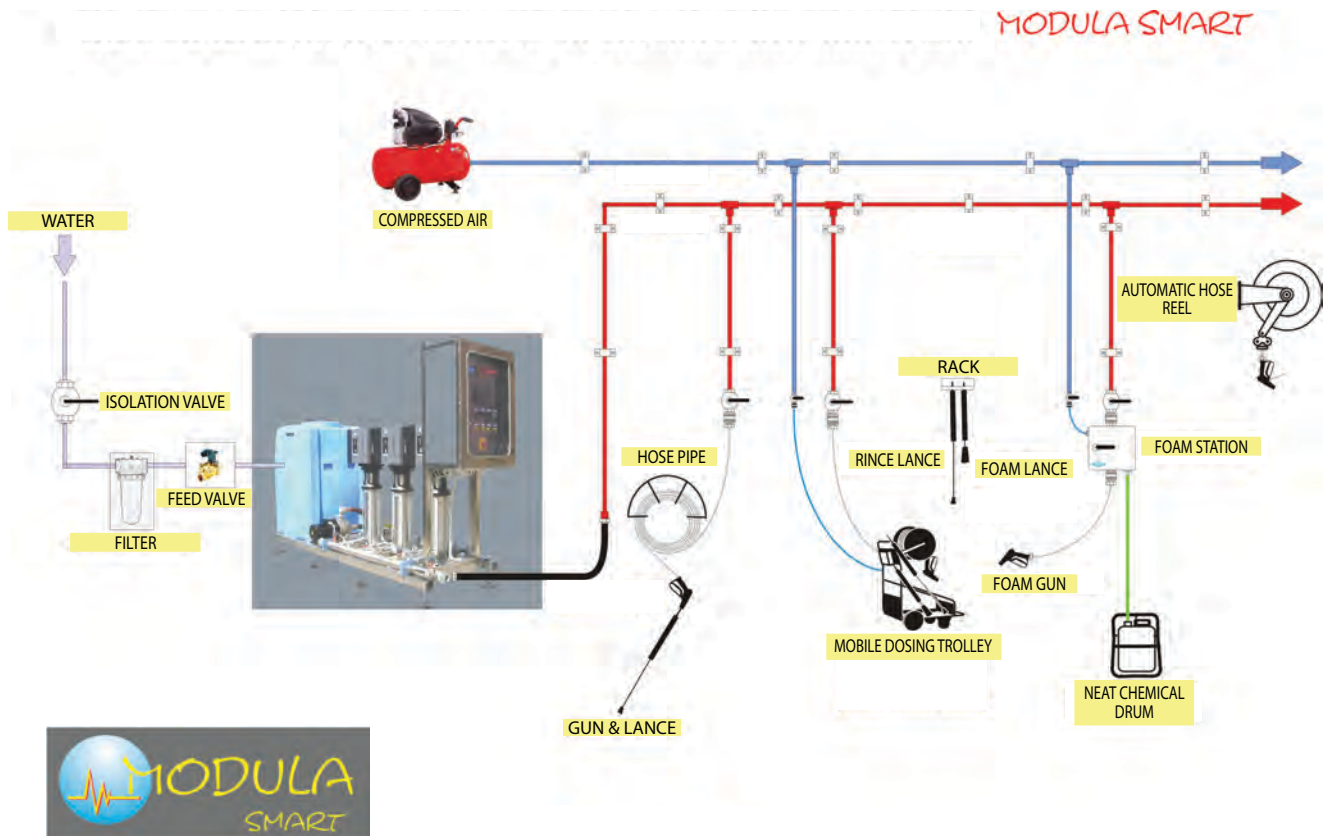
Tecnologia Inverter

1



H & M DISINFECTATION SYSTEMS LTD
www.hm-dis.com

Leaflet outline of centralised plant



Mobile cleaning unit - High Pressure

With foam dispensing system 20-200 bar



Entirely designed and produced with all cleaning needs in various sectors of the food industry in mind.

This pressure machine represents a mix of exceptional safety, functionality, power, efficiency and durability

The pressure can be adjusted from 20 to 200 bars with flow rates from 15 to 21 l/min

This machine is fitted with a support for a manual hose reel (optional) with 20 m high pressure hose and practical pull-out trigger gun, lance holders, 30 kg detergent container holder (2 X 30 kg with Foam system dual suction) and reliable stainless steel dispenser system with bypass for foam distribution.

The ease of movement thanks to the four wheels, delayed total stop device activated by closing the lance with zeroing of pressure in the delivery hose, high manoeuvrability, low voltage (24 V) machine controls, special seal system suitable for hot water even at a temperature of more than 80°C and attractive elegant design makes this a great little washing machine the best answer to all the indoor and outdoor cleaning needs of every food company, greatly simplifying the work of cleaning, particularly in the food sector

FDR
Super
Super-Air

2



H & M DISINFECTION SYSTEMS LTD

www.hm-dis.com

FDR Super Super-Air

2



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com



Dual holder for tank
(optional)



Exclusive system (patented)
dosing system Aisi/316
complete with by-pass



AVAILABLE CONFIGURATION

MODEL	CODE	FLOW RATE (lt/min)	PRESSURE (Bar)	POWER (KW)	VOLTAGE (Volt)	WEIGHT (Kg)	* DIMENSIONS LxHxD (mm)	WATER IN-LET MAX TEMPERATURE	MAX NUMBER OF OPERATORS	
FDR SUPER COMPLETE WITH S/S DOSING SYSTEM FOR WORKING PRESSURE OVER 100 BAR	50060	15	20 - 150	4	400	90	550 x 850 x 1000	80 °C	1	
	50061	Same as 50060 but complete with s/s manual hose reel on board fitted as standard								
	50065	15	20 - 200	5,5	400	90	550 x 850 x 1000	80 °C	1	
	50066	Same as 50065 but complete with s/s manual hose reel on board fitted as standard								
	50071	21	20 - 150	5,5	400	90	550 x 850 x 1000	80 °C	1	
	50072	Same as 50071 but complete with s/s manual hose reel on board fitted as standard								
FDR SUPER AIR COMPLETE WITH S/S DOSING SYSTEM FOR WORKING PRESSURE LESS THAN 100 BAR	50080	15	20 - 150	4	400	90	550 x 850 x 1000	80 °C	1	
	50081	Same as 50080 but complete with s/s manual hose reel on board fitted as standard								
	50085	15	20 - 200	5,5	400	90	550 x 850 x 1000	80 °C	1	
	50086	Same as 50085 but complete with s/s manual hose reel on board fitted as standard								
	50091	21	20 - 150	5,5	400	90	550 x 850 x 1000	80 °C	1	
	50092	Same as 50091 but complete with s/s manual hose reel on board fitted as standard								
*FOR MODELS WITH DUAL HOLDER FOR TANK D=1014 mm										
FOR MODELS "SUPER AIR" MUST BE PROVIDED WITH A CONNECTION OF COMPRESSED AIR (FROM 4 TO 6 BARS MAX)										

TECHNICAL DETAILS

- Low voltage controls (24 volt)
- Auto stop
- Motor protection circuit breaker
- Over temperature 80 °C safety control
- Pressure adjustment
- Pressure indicator
- Pressure and flow controls
- Pump with s/s piston covered by ceramics and lubricated
- IP55 control panel
- S/s dosing system Aisi/316 complete with by-pass for foam and disinfection
- Air system for a more compact foam (only for Super -Air version)
- Chemical tank 30 Kg (2 x 30 Kg with dual holder tank)
- S/s frame
- Cover in preformed ABS

Standard accessories



S/s nozzle 1/8"
Code 190xx



S/s washing lance 90cm without nozzle complete with Q/R ϕ 14
Code 11105/ST18



S/s Foam lance complete with nozzle and Q/R ϕ 14 (only for Fdr Super)
Code 11150



S/s Foam lance complete with nozzle and Q/R ϕ 14 (only for Fdr super air)
Code 11208

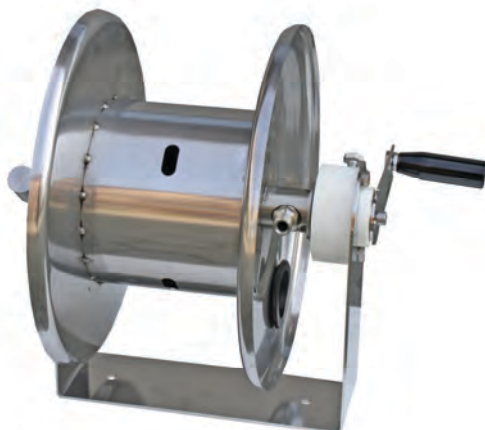


H.P. hose R/2 L= 20 mt. Crimped 3/8" zinc female
Code 18220



H.p. gun with coupling ϕ 14
Code 25095/ST

Optional accessories



S.s manual hose reel
Code 10400/X

**FDR
Super
Super-Air**

2



H & M DISINFECTION SYSTEMS LTD

www.hm-dis.com

Wall mounted or mobile medium pressure Washing machine 12 bar max

Hydra 12/25



Wheeled version



Wall mounted version



Mobile version

The Hydra compact 12/25 is a latest generation low pressure washing machine designed and produced to satisfy the demands of the high risk food environment.

The frame, pump and all control components are entirely made from stainless steel to satisfy the user's expectations and guarantee incomparable long term reliability with minimum noise levels.

Easy to use, compact, with a low maintenance requirement and excellent long term durability, it saves on both water and detergent by optimising all washing phases, obtaining excellent results.

The pump absorbs just 1.3 kW, produces a pressure of about 12 bars with a maximum flow rate of 35 l/min and can be used with hot water up to 90°C.

The controls are low voltage (24 V) and a delayed total stop function shuts down the system when the lance is closed.

As with all low to medium pressure systems, compressed air must be introduced for foaming.

Water consumption during foaming is just 4 l/min with coverage of about 50/60 m² per minute and detergent consumption of less than 3%.

Finally, if compressed air is not available, a version with built-in compressor is also available.

The Hydra 12/25 is also among the most simple washing machines to operate, as to start washing the operator simply turns the lever on the front panel and inserts the lance.

3



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

Hydra 12/25

3



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com



Wheeled version



Wall mounted version



Mobile version

AVAILABLE CONFIGURATION

CODE	MODEL	FLOW RATE (lt/min)	PRESSURE (Bar)	POWER (KW)	AIR COMPRESSOR POWER (KW)	VOLTAGE (Volt)	WEIGHT (Kg)	DIMENSIONS LxHxD (mm)	WATER IN-LET MAX TEMPERATURE	MAX NUMBERS OF OPERATORS
1060	Wall mounted	25/35	12/10	1,3	-	230 MF	35	500 x 350 x 350	70 °C	1
1060/R	Mobile	25/35	12/10	1,3	-	230 MF	55	500 x 1040 x 750	70 °C	1
1061	Wall mounted	25/35	12/10	1,3	-	400 T	35	500 x 350 x 350	70 °C	1
1061/C	Wall mounted	25/35	12/10	1,3	1,5	400 T	48	500 x 350 x 350	70 °C	1
1061/R	Mobile	25/35	12/10	1,3	-	400 T	55	500 x 1040 x 750	70 °C	1
1061/CR	Mobile	25/35	12/10	1,3	1,5	400 T	68	500 x 1040 x 750	70 °C	1
1059/R	Wheeled *	25/35	12/10	1,3	-	400 T	70	550 x 1000 x 1000	70 °C	1
1059/CR	Wheeled *	25/35	12/10	1,3	0,4	400 T	74	550 x 1000 x 1000	70 °C	1

* Manual Hose Reel included - With Dual Holder Tank: Dimensions (LxHxD) : 550 x 1000 x 1014

TECHNICAL DETAILS

- Low voltage controls (24 volt)
- Auto stop
- Over temperature 95 °C. safety control
- Pressure indicator
- Controls by electronic flow sensor
- Stainless Steel multistage centrifugal pump
- IP65 control panel
- Stainless Steel dosing system Aisi/316 complete with by-pass for foam and disinfection
- Compressed air adjustment complete of backflow security
- Thermoswitch on air compressor (only for versions with air compressor on board)
- Stainless Steel frame
- Water low controls
- Control of the correct direction of motor rotation

Standard accessories

Hydra 12/25



S/s nozzle 1/4"
Code 194xx



*S/s washing lance without nozzle complete with male s/s coupling
(cm 70 only for wall mounted versions) Code 11114/STS14
(cm 90 only for wheeled versions) Code 11211/STS14*



*S/s foam lance cm 30 complete with nozzle
and s/s male quick coupling*
Code 11209/S



*S/s pin complete with nozzle
straight jet and protection*
Code 90240/S



*Blue Food hose. hose L= 20mt.
S/s Crimped 1/2" female*
Code 18262/FFX/20000



H.p. gun with swivel
Code 25103/ST



S/s wall holder for hose
Code 20903



S/s mounting bracket
Code 33011+ Code 33012

3

Optional accessories



S/s manual hose reel
Code 10400/X



S/s automatic hose reel (without hose)
Code 10500



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

Wall mounted or mobile washing station

20 bar max



Hydra 20/30 mobile washing system.

Unique in its sector for compactness, low noise levels, reliability and standard accessories, it enables foaming, rinsing and disinfection processes to be optimised, particularly in the food sector.

The system already incorporates all components, from the electrical panel with indicator lights to control pump rotation direction to the 100% stainless steel dispensing system for foaming and disinfection, creating a highly reliable integrated combination to satisfy all cleaning needs

The frame and trolley are in stainless steel and the washing machine can accommodate two 30 kg detergent containers (mobile version only).

All parts of the machine can be easily inspected for servicing and controls .

The pump uses just 2.2 kW, produces a pressure of about 20 bars with a flow rate of more than 30 l/min and can be used with hot water up to 90°C

The controls are low voltage (24 V) and a delayed total stop function shuts down the system when the lance is closed. .

As with all low to medium pressure systems, compressed air must be introduced to produce the foam.

The Hydra 20/30 is also among the easiest washing machines to operate as to start washing the operator simply turns the lever on the front panel and inserts the lance.

Hydra 20/30

4



H & M DISINFECTATION SYSTEMS LTD
www.hm-dis.com

Hydra 20/30

4



Wall mounted version
Code 1065



Mobile versions
Code 1067/R
Code 1067/CR



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

AVAILABLE CONFIGURATION

CODE	MODEL	FLOW RATE (lt/min)	PRESSURE (Bar)	POWER (KW)	AIR COMPRESSOR POWER (KW)	VOLTAGE (Volt)	WEIGHT (Kg)	DIMENSIONS LxHxD (mm)	WATER IN-LET MAX TEMPERATURE	MAX NUMBER OF OPERATORS
1065	Wall mounted	30/40	20	2,2	-	400 T	60	480x1000x370	90 °C	1
1067/R	Mobile	30/40	20	2,2	-	400 T	98	670x1090x760	90 °C	1
1067/CR	Mobile	30/40	20	2,2	1,5	400 T	112	670x1090x760	90 °C	1

TECHNICAL DETAILS

- Low voltage controls (24 volt).
- Auto stop.
- Over temperature 95° C. safety control.
- Pressure indicator.
- Controls by electronic flow sensor.
- Multistage s/s centrifugal pump.
- IP65 control panel.
- S/s dosing system complete of by-pass for foam and disinfection.
- Compressed air adjustment complete with backflow security.
- Thermoswitch on air compressor (only for versions with air compressor on board).
- S/s frame.
- Water low controls.
- Control of the direction of motor rotation.

Standard accessories

Hydra 20/30



S/s nozzle 1/4"
Code 194xx



*S/s washing lance 90cm without nozzle and
Complete with s/s male quick coupling*
Code 11211/STS14



*S/s foam lance 30cm complete with nozzle
and s/s male quick coupling*
Code 11209/S



*S/s Q/R complete with nozzle
straight jet and protection*
Code 90240/S



*Bluflood. hose L= 20mt.
S/s Crimped 1/2" female*
Code 18262/FFX/20000



H.P. gun complete of swivel
Code 25103/ST



S/s wall holder for 2 lances
Code 20904
(Only for wall mounted version)



S/s mounting bracket
Code 33804+ Code 33012
(Only for wall mounted version)



S/s manual hose reel
Code 10400/X
(Only for mobile version)

4



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

Optional accessories

Hydra 20/30



*S/s wall holder for hose
Code 20903*



*S/s nozzle 1/4"
Code 194xx*

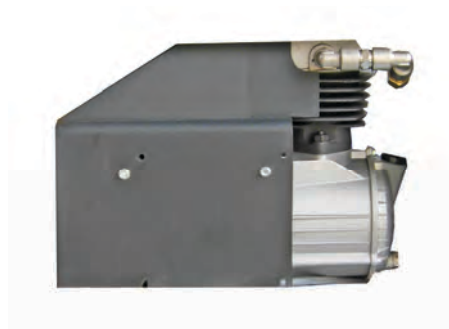
*S/s washing lance 70cm. without nozzle for
disinfection complete with s/s male quick coupling
Code 11114/STS14*



*S/s injector for chemical
Code 21318/S*



*S/s automatic hose reel (Without hose)
Code 10500*



*Air Compressor 0,75 Kw
415 V 3 phase
Code 86905*

4



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

Wall mounted or mobile medium pressure

Washing machine 40 Bar Max

Hydra 40/21



Wall mounted version



Wheeled version

The Hydra compact 40/21 low pressure machine

Unique in its sector for compactness, low noise levels, reliability and standard accessories, it enables foaming, rinsing and disinfection processes to be optimised .

The system already incorporates all components, from the electrical panel to the 100% stainless steel dispensing system for foaming and disinfection, creating a highly reliable integrated combination to satisfy all cleaning needs.

The frame is in stainless steel and all parts of the machine can be easily inspected for servicing and control.

The pump uses just 2.5 kW, produces a pressure of about 40 bars with a flow rate of 21 l/min and is suitable for use with hot water up to 75°C.

The controls are low voltage (24 V) and a delayed total stop function shuts down the system when the lance is closed. .

As with all low to medium pressure systems, compressed air must be introduced to produce the foam.

The Hydra 40/21 is also one of the most simple washing machines to use as the operator has to simply turn the switch on the front panel and insert the lance .

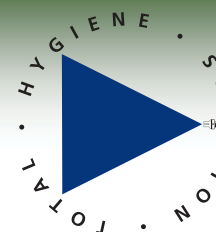
5



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

Hydra 40/21

5



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com



Wall mounted version



Wheeled version

AVAILABLE CONFIGURATION

CODE	MODEL	FLOW RATE (lt/min)	PRESSURE (Bar)	POWER (KW)	VOLTAGE (Volt)	WEIGHT (Kg)	DIMENSIONS LxHxD (mm)	WATER IN-LET MAX TEMPERATURE	MAX NUMBER OF OPERATORS
1062	Wall mounted	21	20-40	2,5	230 M	45	580x350x350	70 °C	1
1063	Wall mounted	21	20-40	2,5	400	45	580x350x350	70 °C	1
1063/R	Mobile	21	20-40	2,5	400	50	580x1200x350	70 °C	1
1062/R	Mobile	21	20-40	2,5	230 M	50	580x1200x350	70 °C	1

TECHNICAL DETAILS

- Low voltage controls (24 volt).
- Auto stop.
- Over temperature 75 ° C. safety controls.
- Pressure indicator.
- Pressure adjustment.
- Control flow sensor.
- Pump with 3 ceramic pistons complete of special seals kit for high temperature.
- IP65 control panel.
- S/s dosing system complete of by-pass for foam and disinfection.
- Compressed air adjustment complete of backflow security.
- S/s frame.
- Water low controls.

Standard accessories



S/s washing lance 70cm without nozzle with Q/R Ø14
Code 11155/ST18



S/s nozzle 1/8"
Code 190xx



S/s foam lance 30cm
Complete with nozzle and pin Ø14
Code 11208



S/s mounting bracket
Code 33011+ Code 33012



Gun with pin Quick Release
Code 25095/ST



H.p. hose. R/2 L= 15mt. Crimped 3/8"
female zinc.
Code 18215



S/s wall holder for hose
Code 20903

Optional accessories



S/s manual hose reel
Code 10400/X



S/s automatic hose reel (Without hose)
Code 10300

Hydra 40/21

5



H & M DISINFECTATION SYSTEMS LTD
www.hm-dis.com

Centralised medium pressure

Washing system 20-40 bar



Cabinet version



Skid version

The medium pressure washing system offers low noise levels, low wear, low running costs and low aerosol production.

It consists of a low pressure system enabling all pre-washing, foam washing, rinsing and disinfecting operations to be performed by a single machine .

Depending on model, it delivers a **pressure of 20 ~ 40 bars** and a flow rate per lance of about **25 ~30 l/min.**

It provides excellent results combined with low running costs and above all improves work conditions .

It is fitted with a hydraulic control device with a completely automatic start-delayed stop function .

This type of machine has been conceived for centralisation and and is therefore designed to connect to piping systems and remote stations which must include provision for compressed air to optimise foaming.

A vast range of accessories, including lances, hoses, hose reels, foaming systems etc. are also available .

Hydra
25/100

Hydra
20/200

Hydra
40/75

Tecnologia
Inverter

6



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com



Cabinet version



Skid version

Hydra
25/100

Hydra
20/200

Hydra
40/75



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

AVAILABLE CONFIGURATION

CODE	MODEL	FLOW RATE (lt/min)	PRESSURE (Bar)	POWER (KW)	VOLTAGE (Volt)	WEIGHT (Kg)	DIMENSIONS LxHxD (mm)	WATER IN LET MAX TEMPERATURE	MAX NUMBER OF OPERATOR
1050/X/I	Cabinet	100	25	5,5	400	170	600x1500x400	90 °C	3
1050/X/I/S	Skid	100	25	5,5	400	120	600x1300x400	90 °C	3
1050/X/S *	Skid	100	25	5,5	400	120	600x1300x400	90 °C	3
1200/X/I	Cabinet	200	20	7,5	400	200	600x1500x400	90 °C	6
1200/X/I/S	Skid	200	20	7,5	400	150	600x1300x400	90 °C	6
1075/X/I	Cabinet	75	40	7,5	400	170	600x1500x400	90 °C	3
1075/X/I/S	Skid	75	40	7,5	400	120	600x1300x400	90 °C	3

* Version without Inverter

TECHNICAL DETAILS

- Low voltage controls (24 volt).
- Water flow rate adjustment.
- Use of multiple lances at the same time.
- Automatic switch off / on if not used.
- Possibility to have different flow rate in different washing zones.
- Water low controls.
- Stop motor on over temperature.
- IP65 electric control panel.
- Centrifugal pump complete with special seals for hot water.
- Pressure indicators.
- Electronic flow sensor.
- Motor control by inverter.

Optional accessories



S/s nozzle 1/4"
Code 194xx

S/s washing lance without nozzle
With s/s male quick coupling
(70 cm) Code 11114/STS14
(90 cm) Code 11211/STS14



S/s foam lance 30cm complete with nozzle
and s/s male quick coupling
Code 11209/S



S/s pin complete with nozzle
straight jet and protection
Code 90240/S



Blu food hose 1/2" 50 Bar
20 or 25 or 30 mt.



H.p. gun complete with swivel
25103/ST



Quick coupling and fittings



S/s automatic hose reel
Code 10520/BS



S/s manual hose reel
Code 10420/X/BS (with hose)
Code 10400/X (without hose)



S/s wall holder for hose
Code 20903



Wide range of foam dispenser stations— Stationary and mobile



Hydra
25/100

Hydra
20/200

Hydra
40/75



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com



Hydra
25/100

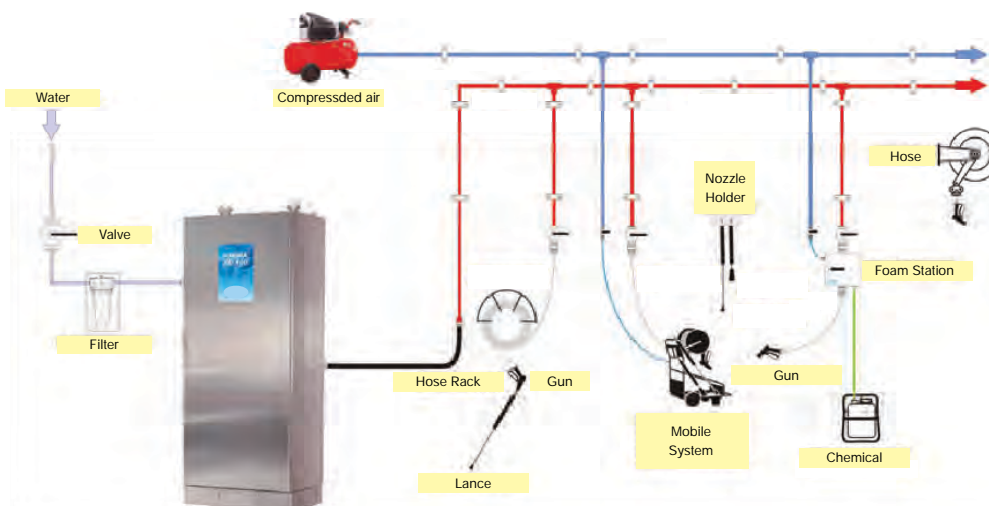
Hydra
20/200

Hydra
40/75

Tecnologia
Inverter

6

Overview of centralised plant



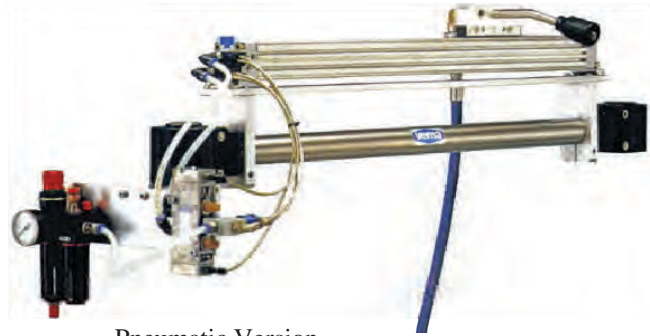
H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

Automatic belt washing System

Robot
2000



Motorised version
with Inverter



Pneumatic Version

The Robot 2000 is an efficient completely automatic unit for cleaning all conveyor belts or other moving systems .

It is available in both motorised version with inverter and pneumatic version.

The electric version includes inverter motor control and proximity sensors to regulate travel.

The pneumatic version operates by compressed air and, thanks to the absence of electrical parts, is extremely reliable and safe in all places where electricity cannot be used.

To operate, just connect the washing head to a medium pressure water pumping system.

The Robot 2000 can be quickly installed directly on the head of the turntable structure where it cleans the belt surface with surgical precision, relieving the operator of often repetitive, timetaking and tedious operations.

The carriage assembly carrying the washing nozzles runs at a speed of more than 1 m/s, exerting a truly remarkable cleaning effect on any dirty surface, dirty surface, with very low water consumption compared to normal fixed bar systems which use many nozzles with excessive water consumption.

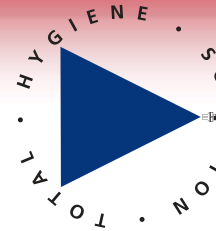
7



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

Robot 2000

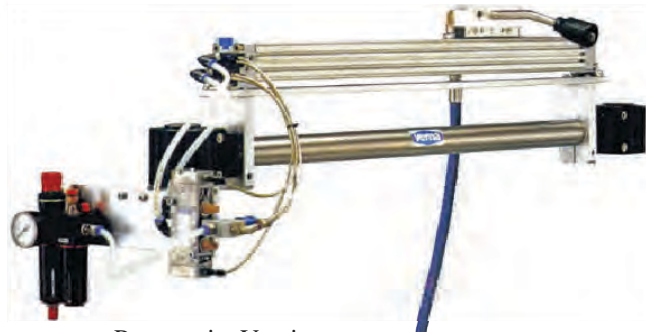
7



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com



Motorised Version
with inverter



Pneumatic Version

AVAILABLE CONFIGURATION

CODE	MODELL	WASHABLE AREA (mm)	SCROLL SPEED	POWER (W)	VOLTAGE (Volt)	WEIGHT (Kg)	DIMENSIONS L x H x W (mm)
85300	Motorised	1000	Adjustable	220	230	30	1300 x 300 x 470
85100	Pneumatic	1000	Adjustable	-	-	30	1300 x 300 x 470

TECHNICAL DETAILS (Electric version)

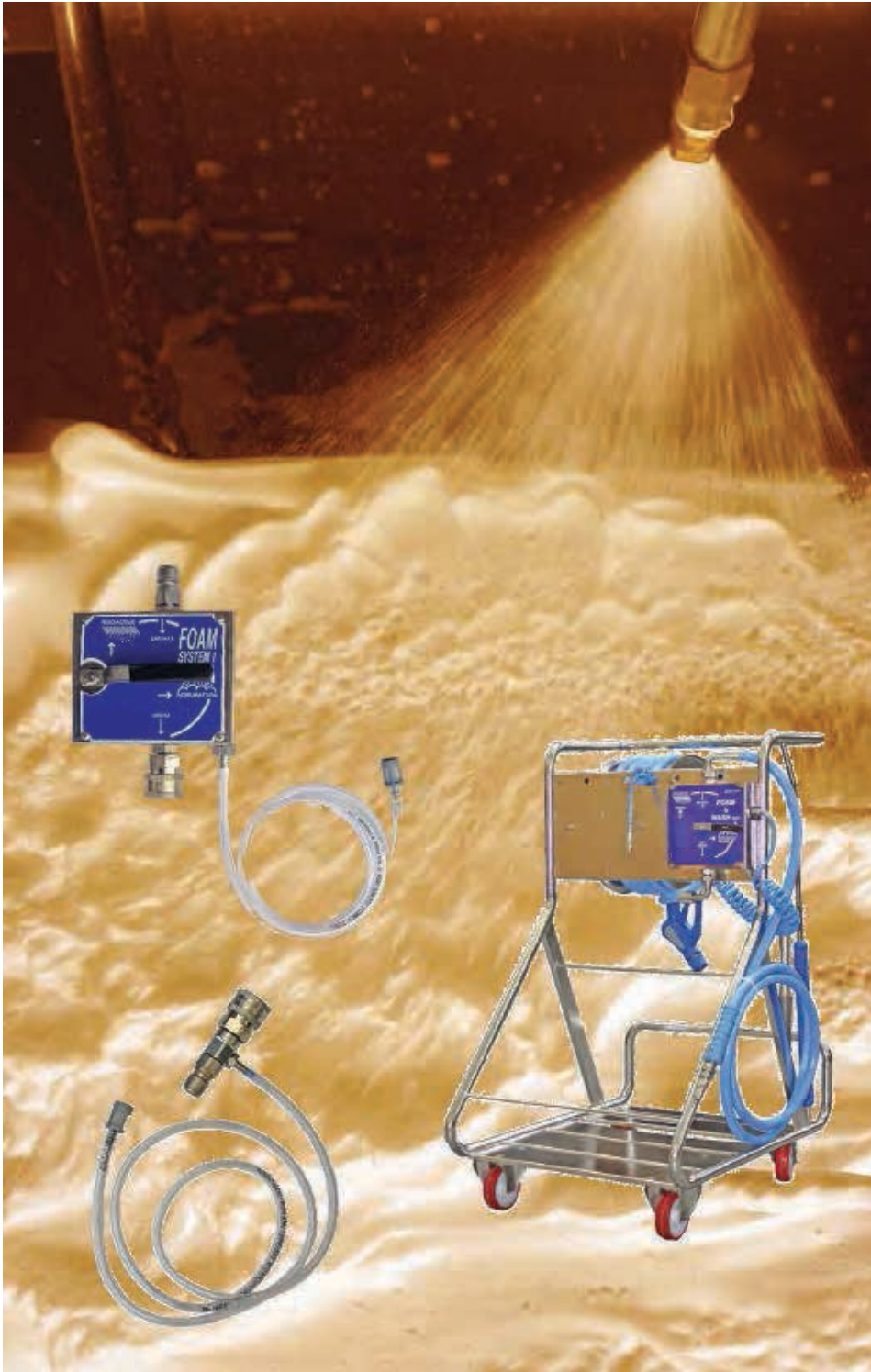
- Low voltage controls
- Cleaning of widths up to 100 cm (**different widths on demand**)
- Electric motor 230 volt with low consumption (only 120 watt)
- IP65 electric control
- Adjustable stroke speed
- Extremely smooth and quiet operation
- Stainless steel
- Nozzle to assure the maximum cleaning efficiency
- Possibility to use more additional nozzles or rotating nozzles (**Optional**)
- Inverter on the electric control panel to adjust the stroke speed
- Connection by s/s quick coupling for any h.p. or medium pressure hose

TECHNICAL DETAILS (Compressed air version)

- Cleaning of widths up to 100 cm (different widths on demand)
- Compressed air moving system
- Adjustable stroke speed
- Extremely smooth and quiet operation
- Stainless steel
- Nozzle to assure the maximum cleaning efficiency
- Possibility to use more additional nozzles or rotating nozzles (**Optional**)
- Connection by s/s quick coupling for any h.p. or medium pressure hose
- Easy adjustment of the stroke by pneumatic switch.

Foam systems for the food industry

Foam Systems



8



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

High pressure foam dispenser station from 100 to 200 Bar

Foam System

1

8



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com



Double Suction

TECHNICAL DETAILS

Foam System 1 is a small high pressure foam dispenser.

Suitable for all high pressure washing machines (200 bars max).

Combined with the foam lance, it is extremely economical, with minimal use of detergent.

- ✓ Water flow : From ~11 l/min to ~ 15 l/min with pressure of from 80 to 150 bars (mean value)
- ✓ Working pressure : From 100 to 200 bars max
- ✓ Working temperature: 95 °C Max
- ✓ Dimensions: 150x125x50 mm (L x H x D)
- ✓ Weight box : 3 Kg
- ✓ Material box : Stainless steel AISI/304
- ✓ Venturi system : Stainless steel AISI/316
- ✓ Product aspirated : From 0,1 % to 10 %
- ✓ Surface treated : About 70 m² minute



Double Suction

Ø Foro inc Ø Size inc	Ø Foro mm Ø Size mm	Ing.	Colore Color
No Hole	Non forato		Trasparente Clear
0,01	0,25400		Rosa Pink
0,014	0,35560		Porpora Purple
0,018	0,45720		Azzurro Aqua
0,02	0,50800		Giallo Yellow
0,023	0,58420		Marrone Brown
0,025	0,63500		Arancione Orange
0,028	0,71120		Verde Green
0,035	0,88900		Bronzo Tan
0,04	1,01600		Blu Blue
0,043	1,09220		Bianco White
0,052	1,32000		Rosso Red

Foam System 1

8



H & M DISINFESTION SYSTEMS LTD
www.hm-dis.com

STANDARD ACCESSORIES

- ✓ Quick couplings (Available without quick couplings)
- ✓ S/s special Aisi/316 fitting for nozzle inserts
- ✓ Coloured Oraface inserts kits to determinate the percentage of product aerated
- ✓ Detergent suction hose L= 1,5 mt complete with filter

OPTIONAL ACCESSORIES



S/s foam lance 50cm with nozzle
and Q/R Ø14
Code 11150



S/s rotating fitting 1/2" M/F
Code 12174



H.p. gun with coupling Ø 14
Code 25095/ST

AVAILABLE CONFIGURATION

CODE	WORKING PRESSURE (Bar)	IN-LET COUPLING	OUT-LET COUPLING	PERCENTAGE OF DOSED PRODUCT (%)	WEIGHT (Kg)	DIMENSIONS LxHxD (mm)	MAX TEMPERATURE IN-LET
15700	100 ~ 200	S/s male	Chromed Female	0,1 ~ 10	3	150X125X50	95 °C
15701	100 ~ 200	S/s male	S/s Female	0,1 ~ 10	3	150X125X50	95 °C
15702	100 ~ 200	-	-	0,1 ~ 10	3	150X125X50	95 °C
15703	100 ~ 200	Nikel male	Nickel Female	0,1 ~ 10	3	150X125X50	95 °C
DOUBLE SUCTION VERSION - SINGLE INJECTOR							
15700/2	100 ~ 200	S/s male	Chromed Female	0,1 ~ 10	3	150X125X50	95 °C
15701/2	100 ~ 200	S/s male	S/s Female	0,1 ~ 10	3	150X125X50	95 °C
15702/2	100 ~ 200	-	-	0,1 ~ 10	3	150X125X50	95 °C
15703/2	100 ~ 200	Nikel male	Nickel Female	0,1 ~ 10	3	150X125X50	95 °C

Wheeled foam dispenser station

For high and medium pressure 10 - 200 bar



Wheeled foam dispenser station for High and medium pressure

8



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

TECHNICAL DETAILS

Wheeled station equipped with Foam System 1 Air, or Foam System 1, or Foam & Wash M.P.

- ✓ Stainless steel trolley
- ✓ Foam dispenser station for the required version
- ✓ Stainless steel manual hose reel
- ✓ 20 meter hose
- ✓ H.p. gun complete with swivel
- ✓ Non marking hose 2000mm complete with S/s male quick coupling (connection to the pipe line)
- ✓ Foam lance 50 cm complete with nozzle and coupling
- ✓ S/s washing lance 90 cm complete with nozzle and coupling
- ✓ Non marking rear wheels Ø 100
- ✓ S/s Pivoting front wheels Ø 100 s/s with brake

AVAILABLE CONFIGURATION

CODE	FOAM DISPENSER STATION	WORKING PRESSURE (Bar)	USE	HOSE REEL	H.P. HOSE	WASHING LANCE WITH COUPLING	FOAM LANCE WITH COUPLING	GUN WITH COUPLING	WEIGHT (Kg)	DIMENSIONS LxHxD (mm)
30630	FOAM SYSTEM 1	100 ~ 200	A.P.	MANUAL	R2 3/8" mt 20	S/S cm. 90	S/Scm. 50	SI	40	580x1070x750
30633	FOAM SYSTEM 1 AIR	50 ~ 100	A.P.	MANUAL	R2 3/8" mt 20	S/S cm. 90	S/Scm. 50	SI	40	580x1070x750
30645/BS	FOAM & WASH M.P.	10 ~ 100	M.P.	MANUAL	Blu Food 1/2" mt 20	S/S cm. 90	S/Scm. 50	SI	40	580x1070x750
DOUBLE SUCTION VERSION - SINGLE INJECTOR										
30630/2	FOAM SYSTEM 1	100 ~ 200	A.P.	MANUAL	R2 3/8" mt 20	S/S cm. 90	S/Scm. 50	SI	40	580x1070x750
30633/2	FOAM SYSTEM 1 AIR	50 ~ 100	A.P.	MANUAL	R2 3/8" mt 20	S/S cm. 90	S/Scm. 50	SI	40	580x1070x750
30645/BS2	FOAM & WASH M.P.	10 ~ 100	M.P.	MANUAL	Blu Food 1/2" mt 20	S/S cm. 90	S/Scm. 50	SI	40	580x1070x750

Wheeled foam dispenser station

Low pressure from 2 to 8 Bar



Wheeled
foam
dispenser
station
-
Mains water

8



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

TECHNICAL DETAILS

Wheeled foam dispenser station equipped with Foam Air System .

- ✓ Stainless steel trolley
- ✓ Foam dispenser station with Foam air system
- ✓ Non marking rear wheels Ø 100mm
- ✓ S/s pivoting rear wheels ø 100mm with brake
- ✓ Stainless steel hose holder

AVAILABLE CONFIGURATION

CODE	FOAM DISPENSER STATION	HOSE	FLOW RATE (lt/h)	WATER PRESSURE (Bar)	WATER IN-LET MAX TEMPERATURE	PERCENTAGE OF DOSED PRODUCT (%)	WEIGHT (Kg)	DIMENSIONS LxHxD (mm)
30640	FOAM AIR SYSTEM	B.P. ½" 20mt.	~250	2 ~ 8	50 °C	0,1 ~ 10	25	580x1070x750
DOUBLE SUCTION VERSION - SINGLE INJECTOR								
30640/2	FOAM AIR SYSTEM	B.P. ½" 20mt.	~250	2 ~ 8	50 °C	0,1 ~ 10	25	580x1070x750

Foam injector complete with Colored inserts for pressure from 100 to 200 bar



Ø Foro inc Ø Size inc	Ø Foro mm Ø Size mm	Ing.	Colore Color
No Hole	Non forato		Trasparente Clear
Ø,01	Ø,25400		Rosa Pink
Ø,014	Ø,35560		Porpora Purple
Ø,018	Ø,45720		Azzurro Aqua
Ø,02	Ø,50800		Giallo Yellow
Ø,023	Ø,58420		Marrone Brown
Ø,025	Ø,63500		Arancione Orange
Ø,028	Ø,71120		Verde Green
Ø,035	Ø,88900		Bronzo Tan
Ø,04	1,01600		Blu Blue
Ø,043	1,09220		Bianco White
Ø,052	1,32880		Rosso Red

Detergent
foam
injector

8



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

TECHNICAL DEATILS

Stainless steel foam injector available with different type of inserts.

Equipped with :

- ✓ Quick couplings (Available without couplings)
- ✓ S/s special Aisi/316 fitting for orafice inserts
- ✓ Coloured inserts kit to determinate the percentage of product dosed
- ✓ Detergent suction hose L=1,5 mt complete with filter

AVAILABLE CONFIGURATION

CODE	WORKING PRESSURE (Bar)	IN-LET QUICK COUPLING	OUT-LET QUICK COUPLING	PERCENTAGE OF CLOSED PRODUCT (%)	WATER IN-LET MAX TEMPERATURE
21314	100 ~ 200	-	-	0,1 ~ 10	95 °C
21316	100 ~ 200	S/s male	Chrome female	0,1 ~ 10	95 °C
21318	100 ~ 200	S/s male	S/s female	0,1 ~ 10	95 °C
21318/s	100 ~ 200	S/s male SUT	S/s female SUT	0,1 ~ 10	95 °C
DOUBLE SUCTION VERSION - SINGLE INJECTOR					
21314/2	100 ~ 200	-	-	0,1 ~ 10	95 °C
21316/2	100 ~ 200	S/s male	Chrome female	0,1 ~ 10	95 °C
21318/2	100 ~ 200	S/s male	S/s female	0,1 ~ 10	95 °C
21318/s2	100 ~ 200	S/s male SUT	S/s female SUT	0,1 ~ 10	95 °C

Dosage regulator kit complete with Orifice and Colored inserts



Ø Foro inc Ø Size inc	Ø Foro mm Ø Size mm	Img	Colore Color
No Hole	Non forato		Trasparente Clear
0,01	0,25400		Rosa Pink
0,014	0,35560		Porpora Purple
0,018	0,45720		Azzurro Aqua
0,02	0,50800		Giallo Yellow
0,023	0,58420		Marrone Brown
0,025	0,63500		Arancione Orange
0,028	0,71120		Verde Green
0,035	0,88900		Bronzo Tan
0,04	1,01600		Blu Blue
0,043	1,09220		Bianco White
0,052	1,32080		Rosso Red

Dosage
regulator kit

8



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

TECHNICAL DETAILS

Dosage regulator kit

Equipped with:

- ✓ S/s body Aisi/316 complete with orifice insert holder
- ✓ Coloured inserts kits to determinate the percentage of product dosed
- ✓ Chrome nut 1/8"

AVAILABLE CONFIGURATION

CODE	IN-LET	OUT-LET	PERCENTAGE DOSED PRODUCT (%)
K03.1	Fitting Ø 6	Fitting Ø 6	0,1 ~ 10
19700	KIT N. 12 Orifice and coloured inserts		

Foam Trolley

Wheeled detergent foam dispenser



Foam Spray

Wheeled
detergent
foam
dispenser
with
pneumatic
pump

8



H & M DISINFECTATION SYSTEMS LTD
www.hm-dis.com

TECHNICAL DETAILS

An excellent detergent or disinfectant foam dispenser.

The total absence of atomisation also makes it suitable for use with chlorinated alkaline products.

It does not require electricity. It can be operated by simply filling the convenient 25 l tank with water and adding about 2-3% of detergent, connecting it to the compressed air and opening the lance supplied.

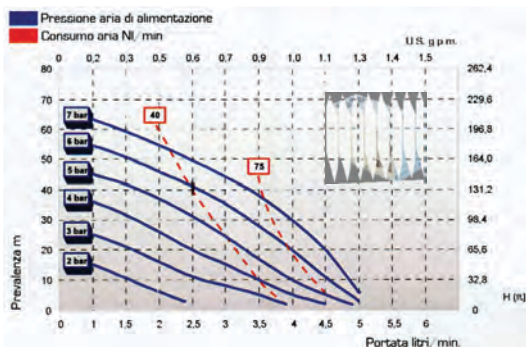
After a few seconds, the time required to mix the liquid in the 10 m delivery hose, a fine dense foam with truly extraordinary clinging power is generated, ideal for economical cleaning of vertical walls and ceilings, with very low detergent consumption.

In addition, it can be used with disinfectants by simply turning the air valve to the "Disinfection" position, replacing the nozzle supplied and opening the lance.

- ✓ Pneumatic pump : 7 Bar max
- ✓ Dry vacuuming capacity : 3 mt
- ✓ Water flow : 5 Lt/min max
- ✓ Water flow to the lance : 2 Lt/min a 3 Bar
- ✓ Air pressure required : From 2 to 7 Bar Max
- ✓ Working temperature : 60 °C Max
- ✓ Dimensions : 500 x 1020 x 410 mm (L x H x D)
- ✓ Empty weight : 12 Kg
- ✓ Surface treated : About 50 m² per minute
- ✓ Tank capacity : 25 Lt
- ✓ Chassis: Painted or in stainless steel

Foam Spray

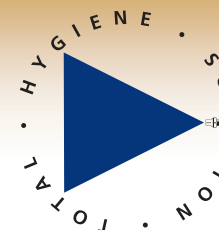
TECNICAL DETAILS OF THE PUMP



Foam Spray

Wheeled
detergent
foam
dispenser
with
pneumatic
pump

8



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

STANDARD ACCESSORIES

- ✓ Air valve (Foam/Disinfectant)
- ✓ Air pressure regulator
- ✓ Air pressure gauge
- ✓ N. 01 Lance complete with spiral hose L=10 mt.
- ✓ N. 01 Air spiral hose Ø 8 L= 10 mt.

AVAILABLE CONFIGURATION

CODE	FRAME	MAX PRESSURE (Bar)	MAX FLOW RATE (lt/min)	FOAM CONSUMPTION AT 5 Bar (lt/min)	DISINFECTANT CONSUMPTION AT 5 Bar (lt/min)	TANK CAPACITY (Lt)	AIR PRESSURE REQUIRED (Bar)	MAX TEMPERATURE WATER IN-LET	WEIGHT (Kg)	DIMENSIONS LxHxD (mm)
9110	Painted	7	5	1	1,25	25	2 - 7	60 °C	12	500 x 1020 x 410
9110 / X	Stainless Steel	7	5	1	1,25	25	2 - 7	60 °C	12	500 x 1020 x 410

Wheeled Stainless steel foam dispenser



Wheeled
stainless
steel
foam
dispenser

8



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

TECHNICAL DETAILS

Professional foam generators made from stainless steel to avoid problems of corrosion with mild steel tanks and to resist particularly aggressive chemical products.

Stainless steel is not however resistant to substances containing chlorine. Liquids containing chlorine should not be used.

Tanks undergo a pickling and electrochemical polishing process to improve resistance to corrosion.

These foam sprayers are very flexible to operate as they are equipped with a hose and lance with trigger gun; to operate, just fill the tank with the product to be sprayed and pressurise with compressed air.

✓ Type of steel :	Aisi 304
✓ Tank capacity :	24 Lt or 50 Lt
✓ Maximum working pressure :	8 Bar Max
✓ Empty weight :	16 Kg or 26 Kg
✓ Chassis :	Stainless steel
✓ Wheel :	Ø 125 mm or Ø 200

Wheeled Stainless steel foam sprayer



Wheeled
Stainless
steel
foam sprayer

8



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

STANDARD ACCESSORIES

- ✓ Safety air valve
- ✓ Pressure gauge 0-12 Bars
- ✓ N. 01 Lance with hose L= 10 mt.
- ✓ Air inlet tap
- ✓ Liquid outlet tap
- ✓ Mixing tap

AVAILABLE CONFIGURATION

CODE	STRUCTURE	WHEELS	TANK CAPACITY (Lt)	MAX WORKING PRESSURE (Bar)	WEIGHT (Kg)	PACKING SIZE LxHxD(mm)
80126/24	Stainless steel Aisi 304	Ø 125	24	8	16	300 x 800 x 350
80126/50	Stainless steel Aisi 304	Ø 200	50	8	26	400 x 1100 x 440

Low pressure foam dispenser station

From 2 to 8 Bar

Compressed air from 3 to 10 Bar max



Double Suction

Foam Air System

8



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

TECHNICAL DETAILS

Foam Air System is a small high performance foam dispenser.

The Foam Air System uses just mains water and compressed air.

It generates very dense clinging foam, making it ideal for cleaning vertical surfaces and ceilings, with low detergent consumption.

Thanks to the complete absence of atomisation, it can also be used in complete safety with very alkaline detergent foam.

- ✓ Foaming : Minimum 2 bars i
- ✓ Water : From 2 to 8 bars (normally mains pressure is between 2 and 4 bars)
- ✓ Air: From 3 to 10 bars (the foam becomes denser as air pressure increases)
- ✓ Water flow : 250 l/h (mean value)
- ✓ Working temperature : With detergent foam, use of water at room temperature is recommended
However, water at a temperature of not more than 50°C should be used
- ✓ Surface treated : About 25 m² per minute
- ✓ Dimensions : 150x125x50 mm (L x H x D)
- ✓ Weight box : 8 Kg.
- ✓ Material box: Stainless steel AISI/304
- ✓ Venturi System : Stainless steel AISI/316
- ✓ Product aspirated : from 0,1 % to 10 %
- ✓ Non return valve
- ✓ Mains water only

Foam Air System

8



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com



Double Suction

Ø Foro inc Ø Size inc	Ø Foro mm Ø Size mm	Ing	Colore Color
No Hole	Non forato		Trasparente Clear
Ø,01	Ø,25400		Rosa Pink
Ø,014	Ø,35560		Porpora Purple
Ø,018	Ø,45720		Azzurro Aqua
Ø,02	Ø,50800		Giallo Yellow
Ø,023	Ø,58420		Marrone Brown
Ø,025	Ø,63500		Arancione Orange
Ø,028	Ø,71120		Verde Green
Ø,035	Ø,88900		Bronzo Tan
Ø,04	1,01600		Blu Blue
Ø,043	1,09220		Bianco White
Ø,052	1,32080		Rosso Red

STANDARD ACCESSORIES

- ✓ Stainless steel lance 400mm complete of rubber handle and ball valve
(On demand it is possible to use lance with different lengths to work at different heights)
- ✓ Non marking hose L= 20 mt
- ✓ Back flow safety valve
- ✓ Pressure gauge
- ✓ N. 01 hose Ø 4x6 L= 2 mt with automatic fitting ¼" M
- ✓ S/s special Aisi/316 fitting for orafice inserts
- ✓ Orafice and colored inserts kit to determinate the percentage of product dosed
- ✓ N. 01 detergent suction hose L=1,5 mt complete with filter

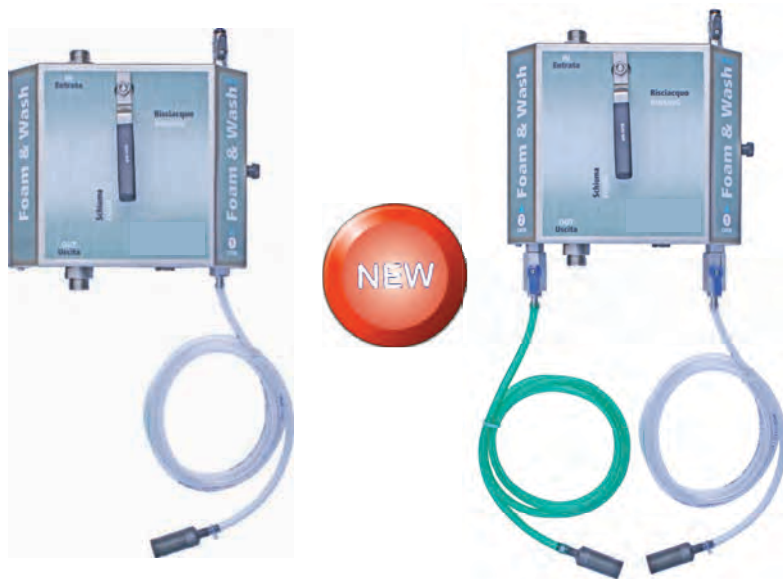
AVAILABLE CONFIGURATION

CODE	FLOW RATE (lt/h)	WATER PRESSURE (Bar)	AIR PRESSURE (Bar)	PERCENTAGE OF DOSED PRODUCT (%)	WEIGHT (Kg)	DIMENSIONS LxHxD (mm)	WATER IN-LET MAXIMUM TEMPERATURE
15710	~250	2 ~ 8	3 ~ 10	0,1 ~ 10	8	150X125X50	50 °C
DOUBLE SUCTION VERSION - SINGLE INJECTOR							
15710/2	~250	2 ~ 8	3 ~ 10	0,1 ~ 10	8	150X125X50	50 °C

Medium pressure foam dispenser

from 10 to 50 bar

Compressed air from 3 to 10 Bar max



Double Suction

Foam
&
Wash
M.P.

8



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

TECHNICAL DETAILS

Foam & Wash M.P. is a very reliable foam dispenser for use with all medium pressure washdown systems from 10 to 50 bars max.

A highly effective foam effect can be obtained with the addition of compressed air in combination with the foam lance.

Efficient dosing of detergent, corresponding to delivery of about 3%, 60/70 m² of surface can be covered per minute, performance.

- ✓ Water flow : ~ 400 l/h (mean value)
- ✓ Working pressure : From 10 to 50 Bar Max
- ✓ Working temperature : 95 °C Max
- ✓ Surface treated : About 70 m² per minute
- ✓ Dimensions : 250x200x95 mm (L x H x D)
- ✓ Weight box : 4 Kg.
- ✓ Material box : Stainless steel AISI/304
- ✓ Venturi system : Stainless steel AISI/316
- ✓ Product aspirated : from 0,1 % to 10 %
- ✓ Air: from 3 Bar to 10 Bar

Ø Foro inc Ø Size inc	Ø Foro mm Ø Size mm	Img	Colore Color
No Hole	Non forato		Trasparente Clear
0,01	0,25400		Rosa Pink
0,014	0,35560		Porpora Purple
0,018	0,45720		Azzurro Aqua
0,02	0,50800		Giallo Yellow
0,023	0,58420		Marrone Brown
0,025	0,63500		Arancione Orange
0,028	0,71120		Verde Green
0,035	0,88900		Bronzo Tan
0,04	1,01600		Blu Blue
0,043	1,09220		Bianco White
0,052	1,32080		Rosso Red

Double Suction

Foam
&
Wash
M.P.

8



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

STANDARD ACCESSORIES

- ✓ S/s rotating fittings 1/2" MF
- ✓ Quickcoupling (Only Cod. 15740/S and Cod. 15740/S2)
- ✓ Back flow safety valve
- ✓ S/s special Aisi/316 fitting for orafice inserts
- ✓ N. 01/02 orafice and coloured inserts kits to determinate the percentage of product dosed
- ✓ N. 01/02 Detergent suction hose L=1,5 mt complete with filter

OPTIONAL ACCESSORIES



S/s foam lance cm 30 with nozzle and
S/s male quick coupling
Code 11209/S



H.p. gun with s/s coupling ϕ 14
Code 25103/ST

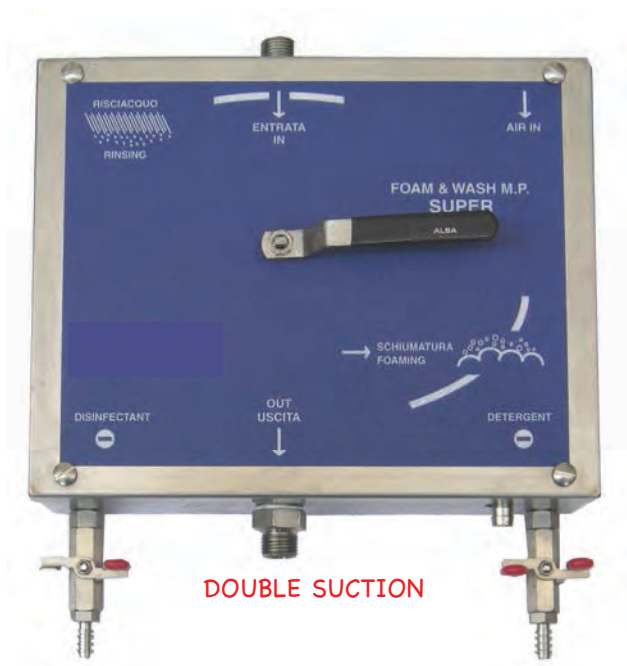
AVAILABLE CONFIGURATION

CODE	WORKING PRESSURE (Bar)	AIR PRESSURE (Bar)	IN-LET COUPLING	OUT-LET COUPLING	PERCENTAGE OF DOSED PRODUCT (%)	WEIGHT (Kg)	DIMENSIONS LxHxD (mm)	MAX TEMPERATURE IN-LET
15740	10 ~ 50	3 ~ 10	ROT. COUPL. M/F S/S	-	0,1 ~ 10	4	250 x 200 x 95	95 °C
15740/S	10 ~ 50	3 ~ 10	ROT. COUPL. M/F S/S	COUPLE M/F S/S SUT	0,1 ~ 10	4	250 x 200 x 95	95 °C
DOUBLE SUCTION VERSION - SINGLE INJECTOR								
15740/2	10 ~ 50	3 ~ 10	ROT. COUPL. M/F S/S	-	0,1 ~ 10	4	250 x 200 x 95	95 °C
15740/S2	10 ~ 50	3 ~ 10	ROT. COUPL. M/F S/S	COUPLE M/F S/S SUT	0,1 ~ 10	4	250 x 200 x 95	95 °C

Medium pressure foam dispenser station

From 10 to 50 bar

Compressed air from 3 to 10 Bar max



Foam
&
Wash
M.P.
Super

8



TECHNICAL DETAILS











Foam & Wash Super is a double intake foam dispenser for use with all medium pressure machines from 10 to 50 bars max.

The double intake with two separate AISI/316L injectors enables two different detergents to be used, avoiding cross contamination.

A highly effective foam effect can be obtained with the addition of compressed air in combination with the foam lance.

With less than 200 g of detergent, corresponding to delivery of about 3%, 60/70 m² of surface can be covered per minute, with performance placing this washer at the top of its category.

- ✓ Water flow : ~ 400 l/h (mean value)
- ✓ Working pressure: From 10 to 50 bars max
- ✓ Working temperature : 95 °C Max
- ✓ Surface treated : About 70 m² per minute
- ✓ Dimensions: 195x185x55 mm (L x H x D)
- ✓ Weight box : 4,5 Kg.
- ✓ Material Box: Stainless steel AISI/304
- ✓ Venturi system : Double in AISI/316 stainless steel
- ✓ Product aspirated : From 0,1 % to 10 %
- ✓ Air: From 3 to 10 bars with built in pressure regulator

Ø Foro inc Ø Site inc	Ø Foro mm Ø Size mm	Img	Colore Color
No Hole	Non forato		Trasparente Clear
Ø,01	Ø,25400		Rosa Pink
Ø,014	Ø,35500		Porpora Purple
Ø,018	Ø,45720		Azzurro Aqua
Ø,02	Ø,50800		Giallo Yellow
Ø,023	Ø,58420		Marrone Brown
Ø,025	Ø,63500		Arancione Orange
Ø,028	Ø,71120		Verde Green
Ø,035	Ø,88900		Bronzo Tan
Ø,04	1,01600		Blu Blue
Ø,043	1,09220		Bianco White
Ø,052	1,32000		Rosso Red

Foam
&
Wash
M.P.
Super

8



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

STANDARD ACCESSORIES

- ✓ S/s rotating fittings 1/2" MF
- ✓ Quick coupling (available without quick couplings)
- ✓ Air pressure adjustment
- ✓ Back flow safety valve
- ✓ S/s special Aisi/316 fitting for orafice inserts
- ✓ Orafice and coloured inserts kits to determinate the percentage of product dosed
- ✓ N. 01 detergent suction hose L=1,5 mt complete with filter

OPTIONAL ACCESSORIES



*S/s foam lance 30cm with nozzle
And S/s male quick coupling
Code 11209/S*



*H.p. gun with S/s coupling Ø 14
Code 25103/ST*

AVAILABLE CONFIGURATION

CODE	WORKING PRESSURE (Bar)	AIR PRESSURE (Bar)	IN-LET COUPLING	OUT-LET COUPLING	PERCENTAGE OF DOSED PRODUCT (%)	WEIGHT (Kg)	DIMENSIONS LxHxD (mm)	MAX IN-LET TEMPERATURE
15725	10 ~ 50	3 ~ 10	-	-	0,1 ~ 10	4,5	300x240x100	95 °C
15725/S	10 ~ 50	3 ~ 10	ROT. COUPL. M/F S/S	COUPLE M/F S/S SUT	0,1 ~ 10	4,5	300x240x100	95 °C

Medium pressure foam & disinfectant dispenser station
From 10 to 20 bar
Compressed air from 3 to 10 Bar max

Roof mounted station



**Foam
&
Wash
M.P.
Super**

8



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

TECHNICAL DETAILS

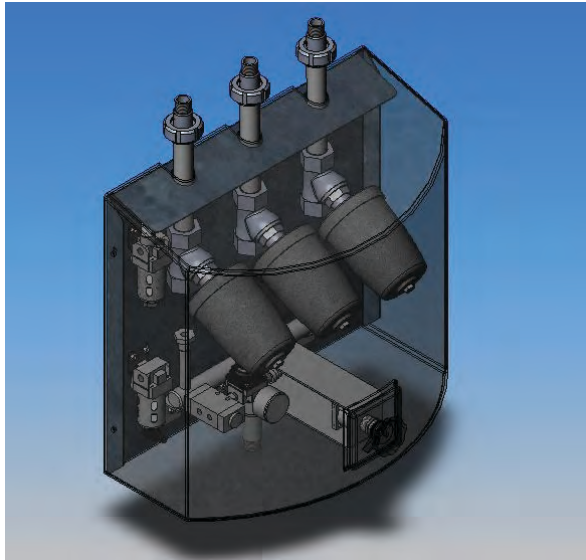
Roof mounted hygien station for pre-diluted chemicals & water from 10 to 50 bars max.

Designed for areas where hygiene is very important. This station has all the mechanical valves located in the roof void with just one pipe inside the factory eliminating ledges and crevices for harbouring bacteria. Installation is very simple and involves just one penetration in the ceiling.

Selection of Chemicals or water using pneumatic rotary switch.

- ✓ Aesthetic design No ledges or crevices
- ✓ Working pressure: From 10 to 50 bars max
- ✓ Working temperature : 95 °C Max
- ✓ Material : Stainless steel AISI/316
- ✓ Product aspirated : Foam dispensed
- ✓ Air: From 3 to 10 bars with built in pressure regulator

Medium pressure foam & disinfectant dispenser station
From 10 to 20 bar
Compressed air from 3 to 10 Bar max



**Foam
&
Wash
M.P.
Super**

8



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

TECHNICAL DETAILS

Hygiene station for pre-diluted chemicals & water from ring mains and central systems.

Option for use with local chemical using injectors to enable a third chemical to be dispensed as a foam or disinfectant.

Reliable and robust to stand up to the demands of the food industry.

Selection of chemicals or water using pneumatic rotary switch.

- ✓ Working pressure: From 10 to 20 bars max
- ✓ Working temperature : 95 °C Max
- ✓ Dimensions: 480 x 480 x 300mm (L x H x D)
- ✓ Weight box : 4,5 Kg.
- ✓ Material Box: Stainless steel AISI/304
- ✓ Product aspirated : From 0,1 % to 5%
- ✓ Air: From 3 to 10 bars with built in pressure regulator

Medium pressure foam dispenser station
From 50 to 100 Bar
Compressed air from 3 to 10 Bar max

**Foam
System
1 Air**

8



H & M DISINFECTATION SYSTEMS LTD
www.hm-dis.com



Double Suction

TECHNICAL DETAILS

Foam System 1 Air System is a small high performance foam dispenser.

For use with all medium and high pressure installations (100 bars max.).

A highly effective foam effect with minimum detergent consumption can be obtained with the addition of compressed air in combination with a foam lance.

- ✓ Water flow : ~1 l/min to ~ 12.4 l/min with pressure 80 to 100 bars
- ✓ Working pressure : From 50 to 100 bars max
- ✓ Working temperature : 95 °C Max
- ✓ Dimensions: 150x125x50 mm (L x H x D)
- ✓ Weight: 3 Kg
- ✓ Material: Stainless steel AISI/304
- ✓ Venturi system : Stainless steel AISI/316
- ✓ Product dosed: From 0,1 % to 10 %
- ✓ Air: From 3 Bar to 10 Bar
- ✓ Surface treated: About 70 m2 per minute

Ø Foro Inc Ø Size inc	Ø Foro mm Ø Size mm	Img	Colore Color
No Hole	Non forato		Trasparente Clear
Ø,01	Ø,25400		Rosa Pink
Ø,014	Ø,35560		Porpora Purple
Ø,018	Ø,45720		Azzurro Aqua
Ø,02	Ø,50800		Giallo Yellow
Ø,023	Ø,58420		Marrone Brown
Ø,025	Ø,63500		Arancione Orange
Ø,028	Ø,71120		Verde Green
Ø,035	Ø,88900		Bronzo Tan
Ø,04	1,01600		Blu Blue
Ø,043	1,09220		Bianco White
Ø,052	1,32000		Rosso Red

Double Suction

Foam System 1 Air

8



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

STANDARD ACCESSORIES

- ✓ Couple of quick couplings (Available without quick couplings)
- ✓ Back flow safety valve
- ✓ Stainless steel Dosage regulator
- ✓ N. 01 detergent suction hose L= 1,5 mt complete with filter

OPTIONAL ACCESSORIES



S/s foam lance 10cm with nozzle
and pin Ø14
Code 11208



S/s rotating fitting 1/2'' M/F
Code 12174



H.p. gun with coupling Ø 14
Code 25095/ST

AVAILABLE CONFIGURATION

CODE	WORKING PRESSURE (Bar)	AIR PRESSURE (Bar)	IN-LET COUPLING	OUT-LET COUPLING	PERCENTAGE OF DOSED PRODUCT (%)	WEIGHT (Kg)	DIMENSIONS LxHxD(mm)	MAX IN-LET TEMPERATURE
15705	50 ~ 100	3 ~ 10	S/s male	Chromed female	0,1 ~ 10	3	150x125x50	95 °C
15706	50 ~ 100	3 ~ 10	-	-	0,1 ~ 10	3	150x125x50	95 °C
15707	50 ~ 100	3 ~ 10	S/s male	S/s female	0,1 ~ 10	3	150x125x50	95 °C
DOUBLE SUCTION VERSION - SINGLE INJECTOR								
15705/2	50 ~ 100	3 ~ 10	S/s male	Chromed female	0,1 ~ 10	3	150x125x50	95 °C
15706/2	50 ~ 100	3 ~ 10	-	-	0,1 ~ 10	3	150x125x50	95 °C
15707/2	50 ~ 100	3 ~ 10	S/s male	S/s female	0,1 ~ 10	3	150x125x50	95 °C



Automatic system for supply of

Disinfectant solutions

Using this spray systems it is possible to obtain the following :

- ✓ **HYDRATION**
- ✓ **COOLING**
- ✓ **DISTRIBUTION OF CHEMICAL PRODUCTS**
- ✓ **DUST ABATEMENT**
- ✓ **QUALITY OF AIR**
- ✓ **REDUCTION OF ODOURS**
- ✓ **PREVENTION OF ELECTROSTATIC CHARGES**
- ✓ **LOCAL DISINFECTION OF MULTI ZONE CONVEYOR BELTS**
- ✓ **LUBRICATION OF CONVEYOR BELTS**

Automatic system
for supply of
disinfectant
solutions

9

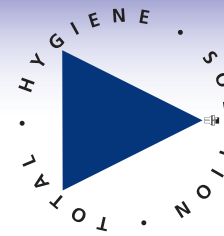


H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

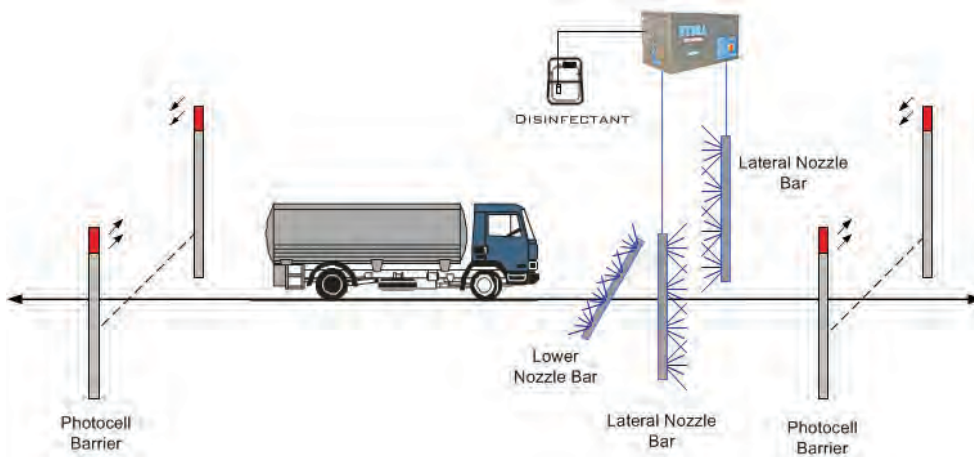
I.D.A. DISINFECTION SYSTEM FOR VEHICLES

I.D.A.

9



H & M DISINFECTANT SYSTEMS LTD
www.hm-dis.com



TECHNICAL DETAILS

- ✓ S/S Pump
- ✓ N. 03 S/S nozzle bars complete with plate for vertical fixing and ground fixing (*)
- ✓ N. 04 Photocells (*)
- ✓ Pressure : 8 Bar Max
- ✓ Flow rate : 20 Lt/min
- (*) Optional - on demand

AVAILABLE CONFIGURATION

CODE	FLOW RATE (lt/h)	PRESSURE (Bar)	PERCENTAGE OF DOSED PRODUCT (%)	WEIGHT (Kg)	DIMENSIONS LxHxD (mm)	MAX TEMPERATURE IN-LET
1005/x	20	8	0,5	45	650 x 580 x 350	90 °C

Low pressure disinfectant sprayer

Pressure from 2 to 8 Bar



Microspray

9



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

TECHNICAL DETAILS

Microspray is a small high performance disinfectant sprayer.

Its stainless steel lance generates a special mist, making it ideal for disinfecting vertical surfaces and ceilings, with low consumption of disinfectant.

- ✓ Water Flow 250 l /h (mean value)
- ✓ Water : From 2 to 8 bars (normally mains pressure between 2 and 4 bars)
- ✓ Working temperature : 50°C Max
- ✓ Surface treated : About 25 m2 per minute
- ✓ Dimensions : 100x155x50 mm (L x H x D)
- ✓ Weight : 6 kg
- ✓ Material box Stainless steel AISI/304
- ✓ Venturi system : Stainless steel AISI/316
- ✓ Product aspirated : from 0,1% to 5%

Wheeled version:

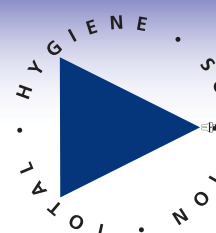
- ✓ Stainless steel trolley
- ✓ S/s Pivoting front wheels ø 100 with brake
- ✓ Rear Wheels Ø 100 mm

Microspray



Ø Foro inc Ø Size inc	Ø Foro mm Ø Size mm	Img	Colore Color
No Hole	Non forato		Trasparente Clear
0,01	0,25400		Rosa Pink
0,014	0,35560		Porpora Purple
0,018	0,45720		Azzurro Aqua
0,02	0,50800		Giallo Yellow
0,023	0,58420		Marrone Brown
0,025	0,63500		Arancione Orange
0,028	0,71120		Verde Green
0,035	0,88900		Bronzo Tan
0,04	1,01600		Blu Blue
0,043	1,09220		Bianco White
0,052	1,32080		Rosso Red

9



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

STANDARD ACCESSORIES

- ✓ Stainless steel spray lance 600 mm complete with special nozzle
- ✓ Pvc gun resistant to impact and corrosion
- ✓ Non marking hose L= 20 mt
- ✓ N. 01 detergent suction hose L= 1,5 mt with filter
- ✓ Full screen printing illustration of the dosage in percentage
- ✓ Stainless steel hose holder
- ✓ Dosage regulator in Stainless steel with coloured inserts
- ✓ Microperforated coloured inserts kits to determinate the percentage of product dosed

AVAILABLE CONFIGURATION

CODE	WATER FLOW RATE (lt/h)	PRESSURE (Bar)	PERCENTAGE OF DOSED PRODUCT (%)	WEIGHT (Kg)	DIMENSIONS LxHxD (mm)	MAX TEMPERATURE IN-LET
15755	~250	2 ~ 8	0,1 ~ 5	6	100x155x50	50 °C

AVAILABLE CONFIGURATION OF THE WHEELED VESRION

CODE	FOAM DISPENSER STATION	FLOW RATE (lt/h)	WATER PRESSURE (Bar)	WATER IN-LET MAX TEMPERATURE	PERCENTAGE OF DOSED PRODUCT (%)	WEIGHT (Kg)	DIMENSIONS LxHxD (mm)
30650	MICROSPRAY	~250	2 ~ 8	50 °C	0,1 ~ 5	25	580x1070x750

Foam Spray

Wheeled disinfectant spray machine



Foam Spray

Wheeled disinfectant spray machine with pneumatic pump

9



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

TECHNICAL DETAILS

An excellent detergent or disinfectant foam dispenser.

The total absence of vaporisation also makes it suitable for use with chlorinated alkaline products.

It does not require electricity. It can be operated by simply filling the convenient 25 l tank with water and adding about 2-3% of detergent, connecting it to the compressed air and opening the lance supplied.

After a few seconds, the time required to mix the liquid along the 10m delivery hose, a fine dense foam with truly extraordinary clinging power is generated, ideal for economical cleaning of vertical walls and ceilings, with very low detergent consumption.

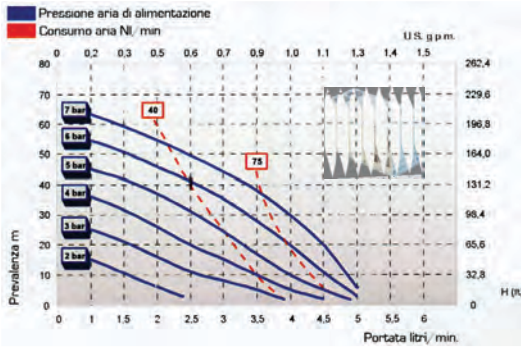
In addition, it can be used with disinfectants by simply turning the air valve to the "Disinfection" position, replacing the nozzle supplied and opening the lance.

- ✓ Pneumatic pump : 7 Bar max
- ✓ Dry vacuuming capacity : 3 mt
- ✓ Water flow : 5 Lt/min max
- ✓ Water flow to the lance : 2 Lt/min a 3 Bar
- ✓ Air pressure required : From 2 to 7 Bar Max
- ✓ Working temperature : 60 °C Max
- ✓ Dimensions : 500 x 1020 x 410 mm (L x H x D).
- ✓ Empty weight : 12 Kg
- ✓ Surface treated : About 50 m² per minute
- ✓ Tank capacity : 25 Lt
- ✓ Chassis : Painted or in stainless steel .

Foam Spray

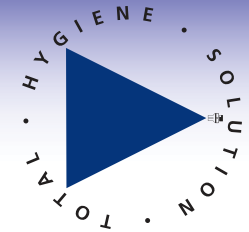
Foam Spray

TECNICAL DETAILS OF THE PUMP



**Wheeled
 disinfectant
 spray
 machine
 with
 pneumatic
 pump**

9



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

STANDARD ACCESSORIES

- ✓ Air valve (Foam/Disinfectant)
- ✓ Air pressure regulator
- ✓ Air pressure gauge
- ✓ N. 01 Lance complete of spiral hose L=10 mt.
- ✓ N. 01 Air spiral hose Ø 8 L= mt. 10

AVAILABLE CONFIGURATION

CODE	FRAME	MAX PRESSURE (Bar)	MAX FLOW RATE (lt/min)	FOAM CONSUMPTION AT 5 Bar (lt/min)	DISINFECTANT CONSUMPTION AT 5 Bar (lt/min)	TANK CAPACITY (Lt)	AIR PRESSURE REQUIRED (Bar)	MAX TEMPERATURE IN-LET	WEIGHT (Kg)	DIMENSIONS LxHxD (mm)
9110	Painted	7	5	1	1,25	25	2 ~ 7	60 °C	12	500 x 1020 x 410
9110 / x	Stainless steel	7	5	1	1,25	25	2 ~ 7	60 °C	12	500 x 1020 x 410



Multispray is a compressed air operated spray system .

A working concentration of the product in solution is aspirated from an 18 l stainless steel tank .

One of the advantages of the **Multispray** is that the nozzle or nozzles are fed with pressurised liquid, creating an optimum mix of air and liquid for a completely atomised jet.

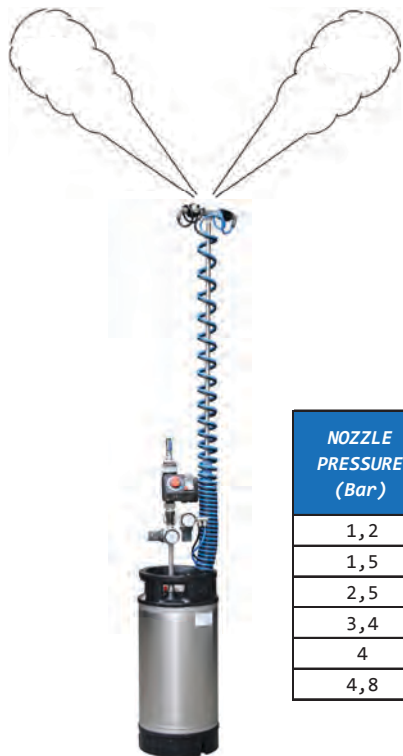
A further advantage of **Multispray** is the type of atomisation, allowing air pressure to be varied to modify the flow rate of the liquid (see table), adapting it to the size of area to be treated .

In this case, **Multispray** is provided with one or 2 nozzles installed at a height of about 2m .

Multispray also has a battery operated electronic timer to control weekly/daily operation, with the possibility of regulating up to three settings over a 24 hour period, choosing the spray time in minutes .



MULTISPRAY



Schedule

NOZZLE PRESSURE (Bar)	TANK PRESSURE (Bar)	LIQUID CONSUMPTION (Lt/h)	AIR CONSUMPTION (L/min)	ATOMISATION (Micron)
1,2	0,7	8,9	45,3	35
1,5	0,7	2,8	53,8	25
2,5	2,1	24,2	68,4	34
3,4	2,1	11,2	93,7	18
4	4,1	40,9	87,8	31
4,8	4,1	31,2	110,6	24

MULTISPRAY

9



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

TECHNICAL DETAILS

- ✓ Tank capacity : 18 Lt
- ✓ Material Tank : Stainless steel
- ✓ Air working pressure of the tank : from 1,5 to 2 Bar Max * (See schedule)
- ✓ Air consumption : 82,8 Lt/min
- ✓ Nozzle pressure : from 3,5 to 4 Bar (suggested)
- ✓ Liquid consumption : 5,4 Lt/h * (See schedule)
- ✓ Number of nozzles : 2
- ✓ Spray angle : 15°
- ✓ Jet length : ~ 5 mt

AVAILABLE CONFIGURATION

CODE	TANK CAPACITY (Lt)	TANK PRESSURE (Bar)	AIR CONSUMPTION (Lt/min)	NOZZLE PRESSURE (Bar)	LIQUID CONSUMPTION (lt/h)	NR OF NOZZLE	JET ANGLE (Grades)	JET LENGTH (mt)
1000	18	1,5 - 2	82,8	3,5 - 4	5,4	2	15°	5



Automatic system for disinfection of vehicles.

It consists in a s/s pumping station to mix disinfectant and water which is then delivered through special nozzle bars (Optional) placed on the floor and on the lateral ramps, made from stainless steel.

Operation

The process of disinfecting is via two photocells (Optional), positioned in the entrance, so once the vehicle is seen they start the s/s pumping unit which will spray under the vehicle as well as on its lateral side (on the left and on the right).

The additional 2 photocells supplied as Optional accessories and installed in the system output. They have the task of stopping the system when the vehicle is at the exit to avoid unnecessary wastage.

The delivery of disinfectant occurs with a pressure of 7-8 bar and the total flow of all the nozzles installed is only 20 liters / min.



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

ATMOSPHERIC FOGGING SYSTEM



PORTABLE FOGGING TROLLEY

This three nozzle unit come supplied complete with a stainless steel trolley, plastic 30ltr product drum, 3 atomising nozzles and air hose to connect to factory compressed air.

Operation:

Compressed air mixes at the nozzle to produce a fog with droplets between 15 and 20 microns MVD. The air provides the suction to feed the liquid to the nozzles. The drum is not pressurised.

To use dilute neat disinfectant into an in use concentration with water and fill the drum. Concentrations may vary depending on the disinfectant type but typically 1% should be used. Connect up the flexible hose supplied with the unit to factory compressed air (minimum 4 bar max 7bar).

Turn on the air and fog for the chemical supplier guidelines on the area being treated. Typically the 3 nozzle unit with 6 bar air will deliver 21 litres of dilute disinfectant into the room in one hour. We recommend fogging for a minimum of 30 minutes and this unit will cover a room of up to 650m³.

Fogging time will depend on the disinfectant and types of micro-organisms being treated.

Before working with chemicals and using this equipment a COSHH assessment should be carried out and appropriate PPE used. Fogging droplets will remain in the air after fogging has stopped and the area should be clear of any residual fog prior to entry by personnel.

The time the fog takes to clear will depend on many factors including, temperature, humidity and air changes.

Specification:

- Stainless steel trolley
- Nylon wheels
- 3 Air atomising nozzles plated or stainless steel
- Braided air hose.

Fogging

9



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

DRUM TOP FOGGER



Fogging

9

The Drum Top Fogger is the entry model for air powered fogging but still provides an effective unit for fogging room up to 200m³ and delivers a range of droplets between 15 and 20 microns MVD with an output of around 7 litres per hour of disinfectant.

Operation

The unit can be placed on your own 20ltr poly drum filled with a dilute disinfectant solution where air is used to suck the chemical from the drum. Disinfectant concentrations may vary depending on the manufacturers guidelines but typically around 1% should be used .

Connect up the flexible hose supplied with the unit to factory compressed air (minimum 4 bar max 7bar)

Turn on the air and fog for the chemical supplier guidelines on the area being treated. Typically this unit with 6 bar air will deliver 7 litres of dilute disinfectant into the room in one hour. We recommend fogging for a minimum of 30 minutes and this unit will cover a room of up to 200m³

Fogging time will depend on the disinfectant being used and types of micro-organisms being treated.

Before working with chemicals and using this equipment a COSHH assessment should be done and appropriate PPE used. Fogging droplets will remain in the air after fogging has stopped and the area should be clear of any residual fog prior to entry by personnel.

The time the fog takes to clear will depend on many factors including, temperature, humidity and air changes.

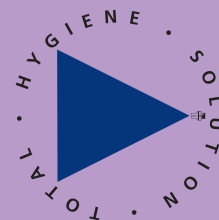
Specification:

- Air atomising nozzle plated or stainless steel
- Stainless steel suction tube



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

OPTIONAL ACCESSORIES FOR WASHING PLANTS

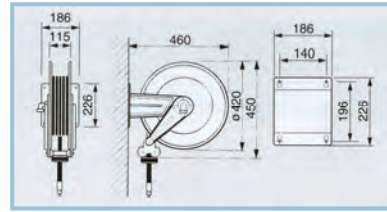


H & M DISINFECTATION SYSTEMS LTD
www.hm-dis.com

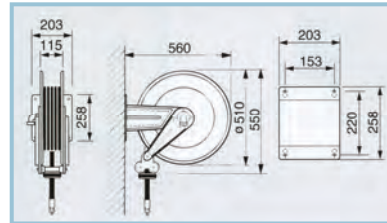
STAINLESS STEEL AUTOMATIC HOSE REEL

Low and medium pressure 1/2" up to 40 bar

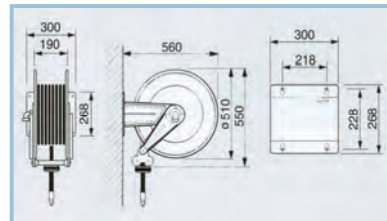
10



Ø 420



Ø 510



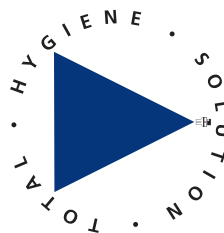
Ø 510

high capacity

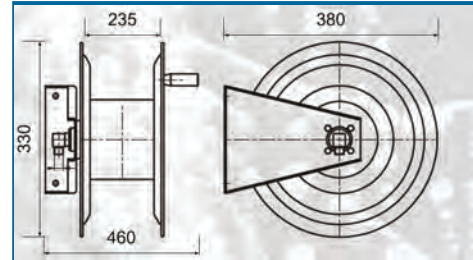
Stainless steel automatic hose reel for low and medium pressure from 50 to 100 bars complete with 1/2" BLUFOOD hose for medium pressure plant from 20 to 40 bars or complete of R1 1/2" hose for plant up 100 bars. Complete with connection hose with stainless steel male quick coupling.

HOSE REEL

CODE	MODEL	MATERIAL	DIAMETER (mm)	ORIENTABLE BRACKET	USE	HOSE	HOSE LENGTH (mt)	HOSE SECTION	HOSE MAXIMUM PRESSURE (Bar)	TOTAL WEIGHT (Kg)	DIMENSIONS L x H x D (mm)
10316	Automatic hose reel 420 Large	Stainless steel	420	Standard	Medium Pressure	R/1	15	1/2"	100	21	186x450x460
10500	Automatic hose reel 510 Large	Stainless steel	510	Standard	Medium Pressure	-	-	-	-	19	203x550x560
10520	Automatic hose reel 510 Large	Stainless steel	510	Standard	Medium Pressure	R/1	20	1/2"	100	28	203x550x560
10523	Automatic hose reel 510 Large	Stainless steel	510	Standard	Medium Pressure	R/1	25	1/2"	100	31	203x550x560
10520/BS	Automatic hose reel 510 Large	Stainless steel	510	Standard	Medium Pressure	Blu Food	20	1/2"	50	21	203x550x560
10600	Automatic hose reel 510 Large High Capacity	Stainless steel	510	Optional	Medium Pressure	-	-	-	-	24	300x550x560
10620	Automatic hose reel 510 Large High Capacity	Stainless steel	510	Optional	Medium Pressure	R/6	20	5/8"	10	37	300x550x560
20801	Stainless steel Orientable Bracket (only for Code 10600 and Code 10620)										



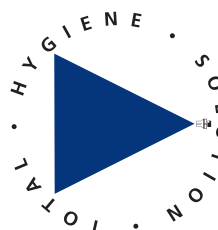
H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com



Stainless steel h.p. manual hose reel to be equipped with hose R1 1/2" for plant up to 100 bars or hose R2 3/8" for plant up to 200 bars or 1/2" BLUFOOD hose for low or medium pressure plant up to 50 bars.

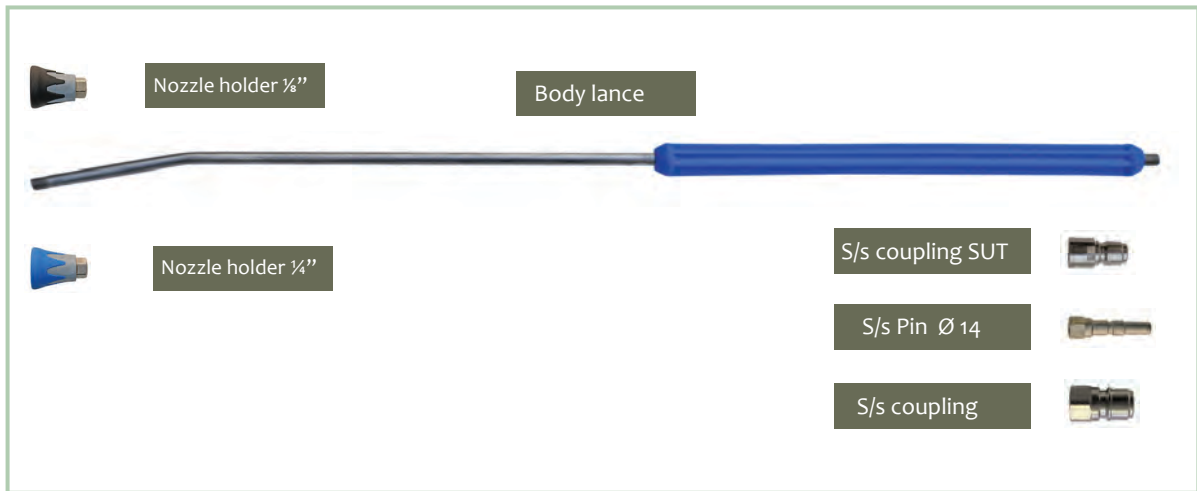
Available models:

CODE	MODEL	MATERIAL	DIAMETER (mm)	USE	HOSE	HOSE LENGHT (mt)	HOSE SECTION	HOSE MAX PRESSURE (Bar)	TOTAL WEIGHT (Kg)	DIMENSIONS L x H x D (mm)
10400/X	Manual Hose reel	Stainless steel	330	High Pressure	No	-	-	-	9	460x330x380
10420/X	Manual Hose reel	Stainless steel	330	High Pressure	R/2	20	3/8"	200	18	460x330x380
10420/X/BS	Manual Hose reel	Stainless steel	330	Low Medium Pressure	Blu Food	20	1/2"	50	25	460x330x380
10420/X/R	Manual Hose reel	Stainless steel	330	Low Medium Pressure	R/1	20	1/2"	50	25	460x330x380



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

Max Pressure 400 Bar - 150 °C



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

Available models without coupling :

CODE	DESCRIPTION
11089/ST18	Stainless steel washing lance cm. 70 - Nozzle holder 1/8" - without coupling
11090/ST18	Stainless steel washing lance cm. 90 - Nozzle holder 1/8" - without coupling
11091/ST18	Stainless steel washing lance cm. 120- Nozzle holder 1/8" - without coupling
11089/ST14	Stainless steel washing lance cm. 70 - Nozzle holder 1/4" - without coupling
11090/ST14	Stainless steel washing lance cm. 90 - Nozzle holder 1/4" - without coupling
11091/ST14	Stainless steel washing lance cm. 120- Nozzle holder 1/4" - without coupling

Can be used with:-

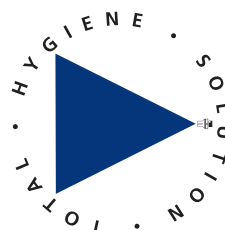
FMT1 ✓	FMT6 ✓	UniBox ✓	FMT6 Special ✓	Modula One ✓	Modula Smart ✓
Static ✓	FDR ✓	FDR Super ✓	FDR Super Air ✓	HD Evolution ✓	Hydra 12/25 ✓
Hydra 20/30 ✓	Hydra 40/21 ✓	Hydra 25/100 ✓	Hydra 20/200 ✓	Hydra 40/75 ✓	

Available models for Low pressure with SUT coupling :

CODE	DESCRIPTION
11110/STS18	S/S Washing lance cm. 10 -Nozzle holder 1/8"and S/S male SUT coupling
11110/STS14	S/S Washing lance cm. 10 -Nozzle holder 1/4"and S/S male SUT coupling
11114/STS14	S/S Washing lance cm. 70 -Nozzle holder 1/4"and S/S male SUT coupling
11211/STS14	S/S Washing lance cm. 90 -Nozzle holder 1/4"and S/S male SUT coupling
11212/STS14	S/S Washing lance cm. 120 -Nozzle holder 1/4"and S/S male SUT coupling

Can be used with:-

FMT1	FMT6	UniBox	FMT6 Special	Modula One ✓	Modula Smart ✓
Static	FDR	FDR Super	FDR Super Air	HD Evolution	Hydra 12/25 ✓
Hydra 20/30 ✓	Hydra 40/21	Hydra 25/100 ✓	Hydra 20/200 ✓	Hydra 40/75 ✓	



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

Available Models for high pressure with s/s coupling :

CODE	DESCRIPTION
11110/ST18	S/S Washing lance cm. 10 - Nozzle holder 1/8" and male S/S coupling
11114/ST18	S/S Washing lance cm. 70 - Nozzle holder 1/8" and male S/S coupling
11211/ST18	S/S Washing lance cm. 90 - Nozzle holder 1/8" and male S/S coupling
11212/ST18	S/S Washing lance cm. 120 - Nozzle holder 1/8" and male S/S coupling
11110/ST14	S/S Washing lance cm. 10 - Nozzle holder 1/4" and male S/S coupling
11114/ST14	S/S Washing lance cm. 70 - Nozzle holder 1/4" and male S/S coupling
11211/ST14	S/S Washing lance cm. 90 - Nozzle holder 1/4" and male S/S coupling
11212/ST14	S/S Washing lance cm. 120 - Nozzle holder 1/4" and male S/S coupling

Can be used with:-

FMT1 ✓	FMT6 ✓	UniBox ✓	FMT6 Special ✓	Modula One ✓	Modula Smart
Static	FDR	FDR Super ✓	FDR Super Air ✓	HD Evolution	Hydra 12/25
Hydra 20/30	Hydra 40/21 ✓	Hydra 25/100	Hydra 20/200	Hydra 40/75	

Available models for high pressure with Q/R ø 14 :

CODE	DESCRIPTION
11111/ST18	Stainless steel washing lance cm. 10 - Nozzle holder 1/8" and Q/R Ø 14
11135/ST18	Stainless steel washing lance cm. 50 - Nozzle holder 1/8" and Q/R Ø 14
11155/ST18	Stainless steel washing lance cm. 70 - Nozzle holder 1/8" and Q/R Ø 14
11105/ST18	Stainless steel washing lance cm. 90 - Nozzle holder 1/8" and Q/R Ø 14
11106/ST18	Stainless steel washing lance cm. 100 - Nozzle holder 1/8" and Q/R Ø 14
11111/ST14	Stainless steel washing lance cm. 10 - Nozzle holder 1/4" and Q/R Ø 14
11135/ST14	Stainless steel washing lance cm. 50 - Nozzle holder 1/4" and Q/R Ø 14
11155/ST14	Stainless steel washing lance cm. 70 - Nozzle holder 1/4" and Q/R Ø 14
11105/ST14	Stainless steel washing lance cm. 90 - Nozzle holder 1/4" and Q/R Ø 14
11106/ST14	Stainless steel washing lance cm. 100 - Nozzle holder 1/4" and Q/R Ø 14

Can be used with:-

FMT1 ✓	FMT6 ✓	UniBox ✓	FMT6 Special ✓	Modula One ✓	Modula Smart
Static	FDR	FDR Super ✓	FDR Super Air ✓	HD Evolution	Hydra 12/25
Hydra 20/30	Hydra 40/21 ✓	Hydra 25/100	Hydra 20/200	Hydra 40/75	



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

Max Pressure 250 Bar - 20 Lt/min - 160 °C



Available Models :

CODE	DESCRIPTION
11100	Stainless steel Floor Cleaner cm. 41 for high pressure up to 200 bars with connection ø 14 complete with nozzles, pressure regulator- Gun excluded
11100/S	Stainless steel Floor Cleaner cm. 41 for Medium pressure up to 50 bars with male s/s coupling complete with nozzles, pressure regulator - Gun excluded

Can be used with:-

FMT1 ✓	FMT6 ✓	UniBox ✓	FMT6 Special ✓	Modula One ✓	Modula Smart ✓
Static ✓	FDR ✓	FDR Super ✓	FDR Super Air ✓	HD Evolution ✓	Hydra 12/25 ✓
Hydra 20/30 ✓	Hydra 40/21 ✓	Hydra 25/100 ✓	Hydra 20/200 ✓	Hydra 40/75 ✓	

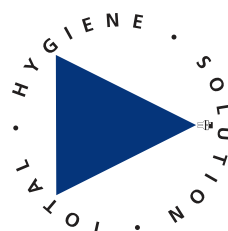
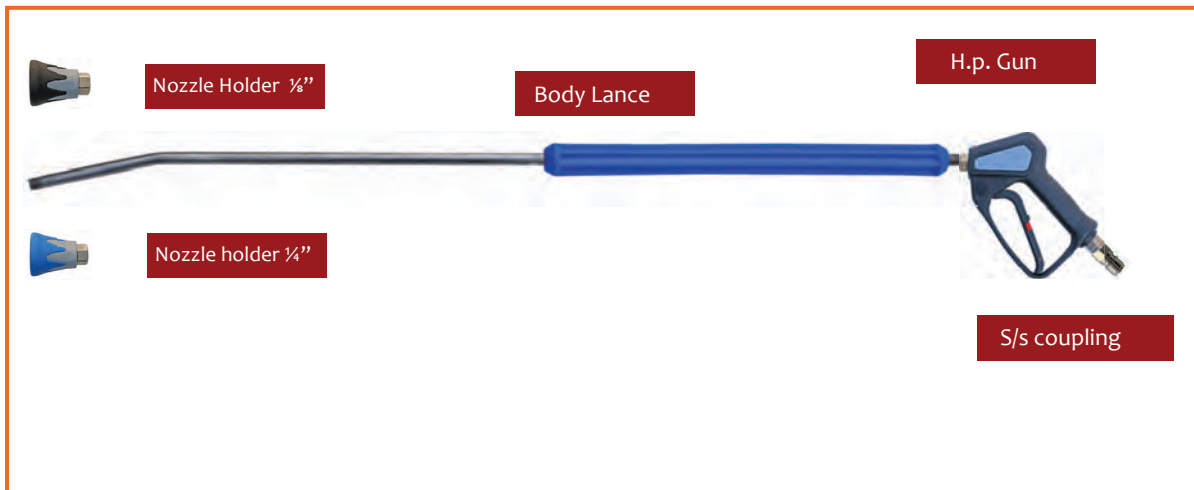


H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

**Stainless steel washing lance
Complete with gun**

12

Max Pressure 350 Bar - 45 Lt/min - 150 °C



H & M DISINFECTATION SYSTEMS LTD
www.hm-dis.com

Stainless steel washing lance Complete with gun

12

Available models :

CODE	DESCRIPTION
11109/ST18	S/S washing lance cm 90 -Gun ST2300, S/s Swivel - nozzle holder 1/8" without coupling
11109/ST14	S/S washing lance cm 90 -Gun ST2300, S/s Swivel - nozzle holder 1/4" without coupling
11409/ST18	S/S washing lance cm 90 -Gun ST2300, S/s Swivel -nozzle holder 1/8" with S/s male coupling
11412/ST18	S/S washing lance cm 120-Gun ST2300, S/s Swivel-nozzle holder 1/8" with S/s male coupling
11409/ST14	S/S washing lance cm 90 -Gun ST2300, S/s Swivel -nozzle holder 1/4" with S/s male coupling
11412/ST14	S/S washing lance cm 120-Gun ST2300, S/s Swivel-nozzle holder 1/4" with S/s male coupling

Accessories

FMT1 ✓	FMT6 ✓	UniBox ✓	FMT6 Special ✓	Modula One ✓	Modula Smart ✓
Static ✓	FDR ✓	FDR Super ✓	FDR Super Air ✓	HD Evolution ✓	Hydra 12/25 ✓
Hydra 20/30 ✓	Hydra 40/21 ✓	Hydra 25/100 ✓	Hydra 20/200 ✓	Hydra 40/75 ✓	



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

Water Flow L/min @ Pressure																					
Code	Angle	Ø Orifice (mm)	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	175	200	225	250
2503	25°	1,1	3,1	3,7	4,3	4,8	5,3	5,7	6,1	6,3	6,8	7,1	7,4	7,7	8	8,3	8,6	9	9,6	10,2	10,7
2504	25°	1,32	4,2	5,2	5,9	6,6	7,3	7,8	8,4	8,9	9,4	9,8	10,3	10,7	11,1	11,5	11,9	12,4	13,3	14,1	14,8
25045	25°	1,38	4,5	5,5	6,4	7,1	7,8	8,4	9	9,6	10,2	10,5	10,9	11,4	11,8	12,2	12,6	13,2	14,1	15	15,8
2505	25°	1,45	5	6,2	7,1	8	8,7	9,4	10	10,7	11,3	11,8	12,4	12,9	13,4	13,8	14,3	14,9	16	16,9	17,9
25055	25°	1,51	5,6	6,8	7,8	8,7	9,6	10,3	11,1	11,8	12,4	13	13,6	14,1	14,7	15,2	15,7	16,4	17,5	18,6	19,6
2506	25°	1,58	6	7,4	8,6	9,6	10,4	11,3	12,1	12,8	13,6	14,3	14,9	15,5	16	16,7	17,2	18	19,2	20,4	21,5
25065	25°	1,64	6,6	8	9,3	10,4	11,3	12,3	13,2	14	14,7	15,4	16,1	16,8	17,4	18	18,6	19,4	20,8	22	23,2
2507	25°	1,7	7,1	8,6	10	11,2	12,2	13,2	14,1	15	15,8	16,6	17,3	18	18,7	19,3	20	20,9	22,3	23,7	25
25075	25°	1,77	7,6	9,3	10,7	12	13,1	14,2	15,2	16,1	16,9	17,7	18,5	19,3	20	20,7	21,4	22,4	23,9	25,3	26,7
2508	25°	1,83	8	9,8	11,3	12,7	14	15,1	16,1	17,1	18	18,9	19,7	20,5	21,3	22	22,8	23,8	25,5	27	28,5
25085	25°	1,86	8,5	10,4	12,1	13,5	14,8	16	17,1	18,1	19,1	20	20,9	21,8	22,6	23,4	24,1	25,3	27	28,6	30,2
2509	25°	1,9	9,1	11,1	12,8	14,3	15,7	17	18	19,2	20,2	21,2	22,1	23	23,9	24,7	25,5	26,7	28,6	30,3	31,9
2510	25°	2	10	12,3	14,2	16	17,4	18,9	20,1	21,4	22,5	23,6	24,6	25,6	26,6	27,6	28,5	29,8	31,8	33,7	35,6
2515	25°	2,4	15,1	18,5	21,3	23,9	26,1	28,3	30,2	32,1	33,8	35,3	36,9	38,4	39,9	41,3	42,6	44,6	47,7	50,5	53,3
2520	25°	2,8	20,1	24,7	28,5	31,9	34,9	37,8	40,3	42,7	45,1	47,2	49,3	51,3	53,2	55,1	56,9	59,5	63,6	67,5	71,1
2525	25°	3,2	25,2	30,9	35,7	39,8	43,6	47,1	50,4	53,4	56,4	59,1	61,8	64,3	66,7	69,1	71,3	74,6	79,8	84,6	89,2
2530	25°	3,6	30,2	37	42,7	47,8	52,4	56,6	60,5	64,2	67,6	70,9	74	77,1	80	82,8	85,5	89,4	95,6	101	107
2535	25°	3,8	35,3	43,2	50	55,8	61,1	66	70,5	74,8	78,9	82,7	86,4	90	93	96,6	99,8	104	111	118	125
2540	25°	4	40,3	49,4	57	63,7	69,8	75,4	80,7	85,5	90,2	94,6	98,8	103	107	110	114	119	127	135	143
2550	25°	4,4	50,5	61,8	71,4	79,8	87,4	94,5	101	107	113	118	124	129	133	138	143	149	160	169	178
2560	25°	4,8	60,5	74,2	85,6	95,7	105	113	121	129	135	142	148	154	160	166	171	179	191	203	214



Nozzle 1/8"



Nozzle 1/4"

Available Models :

CODE	DESCRIPTION
19041	S/S H.P. nozzle 1/8 " MEG 2503
19042	S/S H.P. nozzle 1/8 " MEG 2504
19043	S/S H.P. nozzle 1/8 " MEG 25045
19044	S/S H.P. nozzle 1/8 " MEG 2505
19052	S/S H.P. nozzle 1/8 " MEG 25055
19045	S/S H.P. nozzle 1/8 " MEG 2506
19046	S/S H.P. nozzle 1/8 " MEG 25065
19047	S/S H.P. nozzle 1/8 " MEG 2507
19048	S/S H.P. nozzle 1/8 " MEG 2508
19049	S/S H.P. nozzle 1/8 " MEG 2509
19050	S/S H.P. nozzle 1/8 " MEG 2510
19051	S/S H.P. nozzle 1/8 " MEG 2515
CODE	DESCRIPTION
19441	S/S H.P. nozzle 1/4 " MEG 2520
19449	S/S H.P. nozzle 1/4 " MEG 2525
19450	S/S H.P. nozzle 1/4 " MEG 2530
19452	S/S H.P. nozzle 1/4 " MEG 2540
19454	S/S H.P. nozzle 1/4 " MEG 2550



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

High pressure foam lance (200 Bar max) With thermal cover



Available models:

CODE	DESCRIPTION
11152	S/s foam lance 50 cm - nozzle - without coupling
11150	S/s foam lance 50 cm - nozzle - Q/R Ø 14

It can be used with :

Foam System 1 ✓



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

Foam lance

14

Foam lance for medium-high pressure (50-100 Bar max) with hand grip



Available models:

CODE	DESCRIPTION
11208	S/s foam lance 30 cm - nozzle - Q/R Ø 14

It can be used with :

Foam System 1 Air ✓

Hydra 40/21



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

Foam lance

14

Foam lance for medium pressure with hand grip



Available models :

CODE	DESCRIPTION
11209/S	S/S foam lance 30 cm - nozzle -S/s male SUT coupling

Can be used with

Hydra 12/25 ✓	Hydra 20/30 ✓
Foam & Wash M.P. ✓	Foam & Wash M.P. Super ✓



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

**Foam lance
With gun**

14

S/s Foam lance for high - medium pressure with hand grip and h.p. gun



Available models:

CODE	DESCRIPTION
11402/ST	S/s foam lance 50 cm -Gun ST2300 - Nozzle -S/s male coupling

It can be used with :

Foam System 1 Air T

Foam Lance for high pressure (200 Bar max) and Air with h.p. gun



Available models:

CODE	DESCRIPTION
11400/ST	S/S foam lance 50 cm - Gun ST2300 - Nozzle -S/s quick male coupling

It can be used with :

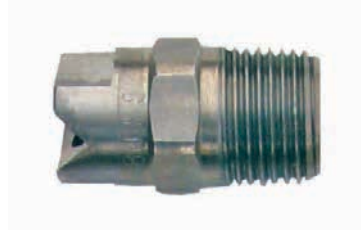
Foam System 1



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com



Brass



Stainless Steel

Available models :

CODE	DESCRIPTION
19238	L.P. nozzle 3/8" MEG 50150 Brass
19240	L.P. nozzle 3/8" MEG 50150 Stainless steel



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

Max Pressure 350 Bar
45 Lt/min - 150 °C



Code 25108 / ST

Max Pressure 310 Bar
45 Lt/min - 150 °C



Code 25095 / ST

Available Models :

CODE	DESCRIPTION
25108/ST	H.p. gun complete with stainless steel swivel
25095/ST	H.p. gun complete of coupling ø 14 and s/s Swivel



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

80 Bar - 80 Lt/min - 150 °C



Stainless steel coupling

Code 25103 / ST

Swivel

24 Bar - 100 Lt/min - 90 °C



Code 25126

Swivel

12 Bar - 50 Lt/min - 80 °C

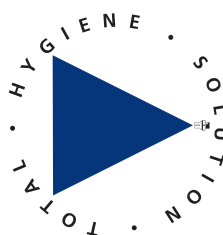


Code 25129

Swivel

Available models :

CODE	DESCRIPTION
25103/ST	H.p. gun 1/2" Swivel F. out Female s/s SUT -80 Bar 80 Lt-
25126	L.p gun RB65 Adjustable jet 24 Bar 100 Lt. + SW 1/2" Female
25129	L.P. gun RB35 Adjustable jet 12 Bar 50 Lt. + SW 1/2" Female



H & M DISINFECTATION SYSTEMS LTD
www.hm-dis.com



Technical details:

HOSE TEXTURE	MODEL	MAX WORKING PRESSURE (Bar)	BRAID	INTERNAL DIAMETER	MIN PRESSURE OF BREAK (Bar)	MIN RADIUS OF CURVATURE (mm)	MAX WORKING TEMPERATURE (°C)	WEIGHT (Kg/mt)
	BLU FOOD	50	Single Textile Braid	½ "	240	100	-20 ~ +70	0,35
	R1	100	Single S/s Braid	½ "	400	130	-10 ~ +135	0,355
	R2	400	Double S/s Braid	¾ "	1600	90	-10 ~ +135	0,425
	T-350	15 Bar (7 Bars for steam)	Single Textile Braid	Ø16 x 26	40	180	-20 ~ +160	0,35
	T-350	15 Bar (7 Bars for steam)	Single Textile Braid	Ø19 x 31	40	200	-20 ~ +160	0,35
	T-350	15 Bar (7 Bars for steam)	Single Textile Braid	Ø25 x 37	40	200	-20 ~ +160	0,35



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com








Available models :

CODE	MODEL	INTERNAL DIAMETER	HOSE LENGTH (mt)	MAX WORKING PRESSURE (Bar)	CRIMP
18262/DD/20000	BLU FOOD	½ "	20	50	Zinc Plated Rotating Fittings M/F. ½ "
18262/DD/25000	BLU FOOD	½ "	25	50	Zinc Plated Rotating Fittings F/F. ½ "
18262/DD/30000	BLU FOOD	½ "	30	50	Zinc Plated Rotating Fittings F/F. ½ "
18262/FF/20000	BLU FOOD	½ "	20	50	Zinc Plated Rotating Fittings F/F. ½ "
18262/DDX/20000	BLU FOOD	½ "	20	50	S/S Rotating Fittings M/F. ½ "
18262/DDX/25000	BLU FOOD	½ "	25	50	S/S Rotating Fittings F/F. ½ "
18262/DDX/30000	BLU FOOD	½ "	30	50	S/S Rotating Fittings F/F. ½ "
18262/FFX/20000	BLU FOOD	½ "	20	50	S/S Rotating Fittings F/F. ½ "
18315	R1	½ "	15	100	S/S Rotating Fittings F/F. ½ "
18320	R1	½ "	20	100	S/S Rotating Fittings F/F. ½ "
18215	R2	⅜ "	15	400	S/S Rotating Fittings F/F. ⅜ "
18220	R2	⅜ "	20	400	S/S Rotating Fittings F/F. ⅜ "
18926	T-350	Ø16 x 26	1 (Roll L= 61 mt)	15 Bar (7 Bar for steam)	-
18927	T-350	Ø19 x 31	1 (Roll L= 61 mt)	15 Bar (7 Bar for steam)	-
18928	T-350	Ø25 x 37	1 (Roll L= 61 mt)	15 Bar (7 Bar for steam)	-
CODE	AVAILABLE TYPE OF CRIMP FOR ALL HOSES				
12996/9X	Stainless steel crimp ⅜" 90° Female				
12996/DX	Stainless steel crimp ⅜" Female				
12996/9	Zinc plated crimp ⅜" 90° Female				
12996/D	Zinc plated crimp ⅜" Female				
12999/9X	Stainless steel crimp 1/2" 90° Female				
12999/DX	Stainless steel crimp 1/2" Female				
12999/9	Zinc plated crimp 1/2" 90° Female				
12999/D	Zinc plated crimp 1/2" Female				



Different length and crimp on demand.



H.P. quick coupling :

COUPLING	CODE	TYPE	MATERIAL	THREAD	MAX WORKING PRESSURE	MAX WORKING TEMPERATURE
	90206	Male	Stainless steel	F. 3/8"	350 Bar	90 °C
	90205	Female	Stainless steel	F. 3/8"	350 Bar	90 °C
	90203	Female	Chromed Brass	F. 3/8"	350 Bar	90 °C
	90400	SUT Male for lances	Stainless steel	F. 1/4"	150 Bar	100 °C
	90401	SUT Male	Stainless steel	F. 3/8"	150 Bar	100 °C
	90411	SUT Female	Stainless steel	F. 1/2"	150 Bars	100 °C
	90207	Male pin	Stainless steel	F. 1/4" x Ø 14	150 Bar	100 °C

L.P. quick coupling:

COUPLING	CODE	TYPE	MATERIAL	THREAD	MAX WORKING PRESSURE	MAX WORKING TEMPERATURE
	90216	Male	Chromed brass	connection Ø 17/19	10 Bar	90 °C
	90215	Female	Chromed brass	F. 3/4"	10 Bar	90 °C



NIPPLE	CODE	MATERIAL	THREAD
	12061	Stainless steel	$\frac{3}{8} \times \frac{3}{8}$
	12074	Stainless steel	$\frac{1}{2} \times \frac{3}{8}$
	12072	Stainless steel	$\frac{1}{2} \times \frac{1}{2}$
FITTING	CODE	MATERIAL	THREAD
	12173	SS	S/s rotating fitting $\frac{3}{8}$ " M/F
	12174	SS	S/s rotating fitting $\frac{1}{2}$ " M/F




Available models:

ACCESSORY	CODE	DESCRIPTION
	16213	H.P. Stainless steel ball valve MiniBall ¼ " FF - 10 Bar Max
	16203	H.P. Stainless steel ball valve ¾ " FF - 150 Bar Max
	16226	H.P. Stainless steel ball valve ½ " FF - 150 Bar Max
	16209	H.P. Chromed ball valve ¾ " FF - 150 Bar Max
	16214	H.P. Ball valve ½ " FF - 100 Bar Max
	16208	H.P. Chromed ball valve ½ " FF - 150 Bar Max
	16206	H.P. Chromed ball valve 1 " FF - 150 Bar Max
	16205	H.P. Stainless steel ball valve AISI 316 ½ " - 200 Bar Max





Available models:

ACCESSORY	CODE	DESCRIPTION
	2002/x	Stainless steel water tank kit 250lt complete with controls and stainless steel frame.






OPTIONAL ACCESSORIES

Lance holder - Hose holder - Tank holder

18

Available models:

ACCESSORY	CODE	DESCRIPTION
	20902	Stainless steel wall holder for lance with Q/R ø 14
	20904	Stainless steel wall holder for lance with male sut coupling
	20905	Stainless steel wall holder for lance with male coupling
	20903	Stainless steel wall holder for hose Blu Food - R1 - R2 mt. 20 Max
	14935	Satinless steel wall holder for tank 30 Kg



H & M DISINFECTION SYSTEMS LTD
www.hm-dis.com

