NORMIST®

PRODUCT CATALOG

Misting World

About Us

After foundation in 1974, Nor Elektronik ltd. has focused on hightech manufacturing and high precision machining techniques. Nor Electronic has served for Aerospace and defence industries mainly and decided to invest for manufacturing of professional misting equipments in 2000.

Since that time Nor elektronik has been producing best misting nozzles around the globe thanks to its qualified team, precision machining experience and state of the art machining environment. All parts are being manufactured in its premises except high pressure pumps.

Nor Elektronik's innovative approach has led company to achive patented Normatic® fast setup push in fittings for greenhouses which eliminates welding of stainless steel tubes.

Normist is one stop shopping solution for all clients and a major global player with exports to 76 countries. Company aims 100% customer satisfaction with fast and on time delivery of the systems.

TORNOS
DECO
Sigma 20

Mazak
QUICK TURN NEXUS 200-II MS

SR-20R

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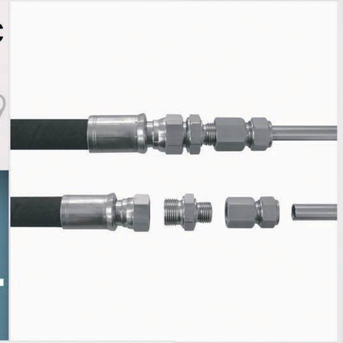

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PUSH IN FITTING
FOR NYLON 12 TUBE

NORMATIC®
PUSH IN FITTINGS
FOR SS PIPES

STAINLESS STEEL 316L
REDUCING NIPPLES

PUSH IN FITTINGS
FOR NYLON 12 TUBES

3/8" nickel plated brass fittings

0301001

3/8" fitting for nozzle

0301002-120°

3/8" fitting for double nozzle 120°

0301002-180°

3/8" fitting for double nozzle 180°

0301003

3/8" tube coupling

0301004

3/8" T fitting

0301005

3/8" L fitting

PUSH IN FITTINGS FOR NYLON 12 TUBES

3/8" nickel plated brass fittings

0301006

3/8" four way (X) fitting

0301007

3/8" 6 nozzles misting umbrella

0301008

3/8" end plug

0301009

1/4" male connector for 3/8" tube NPT

0301010

3/8" male connector for 3/8" tube NPT

0301011

1/2" male connector for 3/8" tube NPT

3/8" nickel plated brass fittings

0301105

3/8" / 5 mm / 3/8" T fitting

0301039

3/8" 6 nozzles misting umbrella in-line

0301036

6 lines tube divider

0301015

3/8" tube to nozzle adaptor UNC10-24

0301015-U2

3/8" tube to nozzle adaptor UNC12-24

0301015-M5

3/8" tube to nozzle adaptor M5

PUSH IN FITTINGS FOR NYLON 12 TUBES

3/8" nickel plated brass fittings

0301040

3/8" end fitting (no nozzle hole)

0301033

3/8" nozzle fitting with end

0301196

1/4" Fem. Adaptor for 3/8" tube BSP and NPT

0301116

3/8" female Connector for 3/8" tube BSP and NPT

5 mm nickel plated brass fittings

0301098

5 mm flexible nozzle extention 15 cm M5

0301035

5 mm flexible nozzle extention UNC 10-24

0301035-U2

5 mm flexible nozzle extention UNC 12-24

3/8" nickel plated brass fittings

0301035-5

UNC 12-24 nozzle to 5 mm tube adaptor

0301035-6

UNC 12-24 fitting to 5 mm tube adaptor

0301115

3/8" fem. BSP Adaptor for 3/16" tube

0301034-U2

50 mm nozzle extention UNC 12-24

0301034-M5

50 mm nozzle extention UNC M5

0301034

50 mm nozzle extention UNC 10-24

3/8" 303 Quality SS fittings

0301049

Stainless steel 3/8" fitting for nozzle.
303 quality

0301050-120°

Stainless Steel 3/8" fitting for double nozzle,
303 quality 120°

0301050-180°

Stainless Steel 3/8" fitting for double nozzle,
303 quality 180°

0301052

Stainless Steel 3/8" nozzle fitting with end,
303 quality

0301045

Stainless Steel 3/8" T fitting 303 quality

0301048

Stainless Steel 3/8" L fitting 303 quality

PUSH IN FITTINGS FOR NYLON 12 TUBES

3/8" 303 Quality SS fittings

0301053

Stainless Steel 3/8" tube coupling
303 quality

0301057

Stainless Steel 3/8" end plug
303 quality

0301080

Stainless Steel 3/8" male connector for
3/8" tube NPT 303 quality

0301083

Stainless Steel 1/4" male connector for
3/8" tube NPT 303 quality

030101 1SS

Stainless Steel 1/2" male connector for
3/8" tube NPT 303 quality

3/8" 303 Quality SS fittings

0301087

Stainless Steel 50 mm nozzle extention
UNC 10-24 303 quality

0301063SS

Stainless Steel 1/8" Male Connector for
3/8" tube 303 quality

5/16" (8 mm) Nickel plated brass fittings

0301066

5/16" (8 mm) fitting for nozzle

0301071

5/16" (8 mm) nozzle fitting with end

0301072

5/16" (8 mm) end plug

PUSH IN FITTINGS FOR NYLON 12 TUBES

5/16" (8 mm) Nickel plated brass fittings

0301068

5/16" (8 mm) T fitting

0301067

5/16" (8 mm) special T fitting 3/8" /8 mm / 3/8"

0301070

5/16" (8 mm) L fitting

0301069

5/16" (8 mm) tube coupling

0301073

3/8" to 5/16" (8 mm) reducer

0301074

1/4" male connector for 5/16 tube NPT

5/16" (8 mm) Nickel plated brass fittings

0301075

3/8" male connector for 5/16" tube NPT

0301118

3/8" BSP Female connector for 5/16" tube

0301100

Anti drip adaptor for mini nozzle M5

3/16" (5 mm) Nickel plated brass fittings

0301090

5 mm mini fitting with 0.15 mm (0.006") nozzle

0301091

5 mm mini fitting with 0.20 mm (0.008") nozzle

0301092

5 mm mini fitting with 0.30 mm (0.012") nozzle

PUSH IN FITTINGS FOR NYLON 12 TUBES

0301093

5 mm T fitting

0301094

5 mm L fitting

0301095

5 mm tube coupling

3/16" (5 mm) Nickel plated brass fittings

0301096

1/4" male connector for 5 mm tube NPT

0301097

3/8" male connector for 5 mm tube NPT

0301099

5 mm end plug

3/16" (5 mm) Nickel plated brass fittings

0301035-3

UNC 10-24 nozzle to 5 mm tube adaptor

0301035-4

UNC 10-24 fitting to 5 mm tube adaptor

0301103-M5

M5 nozzle to 5 mm tube adaptor

0301035-5

UNC 12-24 nozzle to 5 mm tube adaptor

0301035-6

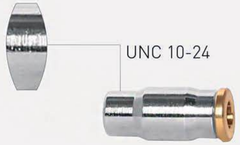
UNC 12-24 fitting to 5 mm tube adaptor

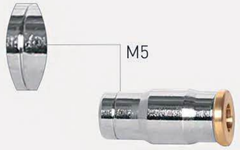
0301104-M5

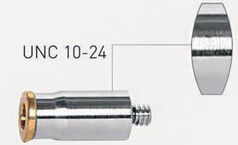
M5 fitting to 5 mm tube adaptor

PUSH IN FITTINGS FOR NYLON 12 TUBES

3/16" (5 mm) Nickel plated brass fittings







1/2" Nickel plated brass fittings

0301025

Brass 1/2" tube coupling

0301026

Brass 1/2" - 3/8" reducer

0301027

Brass 1/2" equal T fitting

0301028

Brass 1/2" - 3/8" - 1/2" T fitting

0301029

Brass 1/2" end plug

0301030

Brass 1/2" male connector for 1/2" tube NPT

1/2" 303 Quality SS fittings

0301044

Stainless Steel 1/2" T fitting

0301047

Stainless Steel 1/2" L fitting brass

0301054

Stainless Steel 1/2" - 3/8" reducer

0301055

Stainless Steel 1/2" tube coupling

0301056

Stainless Steel 1/2" end plug

0301086

Stainless Steel 1/2" male connector for 1/2" tube

NORMIST®

NORMATIC® PUSH IN FITTINGS FOR SS PIPES

10 mm Nickel plated brass fittings for 10 mm SS pipe

0311001

10 mm brass fitting for nozzle

0311002-120°

10 mm brass fitting for double nozzle 120°

0311002-180°

10 mm brass fitting for double nozzle 180°

0311003

10 mm brass pipe coupling

0311004

10 mm brass T fitting

0311005

10 mm brass L fitting

10 mm Nickel plated brass fittings for 10 mm SS pipe

0311033

10 mm brass end fitting for 1 nozzle

0311009

1/4" brass male connector for 10 mm tube NPT

0311010

3/8" brass male connector for 10 mm pipe NPT

0311011

1/2" brass male connector for 10 mm pipe NPT

0311008

10 mm end plug

NORMATIC® PUSH IN FITTINGS FOR SS PIPES

10 mm Nickel plated brass fittings for 10 mm SS pipe.

0311022

Coupling from 1/2" tube to 10 mm pipe

0311024

Coupling from 3/8" tube to 10 mm pipe

0311006

Connector 1/8" male to 10 mm pipe

0311020

3/8" female connector to 10 mm SS pipe

0311021

1/2" female connector to 10 mm SS pipe

10 mm 303 Quality SS fittings for 10 mm SS pipe

0311001SS

10 mm SS 303 fitting for nozzle

0311002SS

10 mm SS 303 fitting for double nozzle 120° and 180°

0311003SS

10 mm SS 303 tube coupling

0311006SS

10 mm SS 303 inequal T 10-12-10 mm

0311004SS

10 mm 303 T fitting

0311005SS

10 mm 303 L fitting

NORMATIC® PUSH IN FITTINGS FOR SS PIPES

10 mm 303 Quality SS fittings for 10 mm SS pipe

0311008SS

10 mm 303 end plug

0311033SS

10 mm end fitting for 1 nozzle

0311009SS

1/4" 303 male connector for 10 mm pipe NPT

0311010SS

3/8" 303 male connector for 10 mm pipe NPT

0311011SS

1/2" 303 male connector for 10 mm pipe NPT

0311024SS

Coupling from 3/8" tube to 10 mm SS pipe

10 mm 316 Quality SS fittings for 10 mm SS pipe

0311001-316

10 mm SS 316 fitting for nozzle

0311002-316

10 mm SS 316 fitting for double nozzle 120°

0311004-316

10 mm 316 T fitting

0311005-316

10 mm 316 L fitting (bended tube)

0311008-316

10 mm 316 end plug

0311003-316

10 mm SS 316 tube coupling

NORMATIC® PUSH IN FITTINGS FOR SS PIPES

12 mm Nickel plated brass fittings

0311025

12 mm pipe union for 12 mm SS pipe

0311007

12 mm line end fitting for SS pipe

0311026S

12 mm to 3/8" mm reducer for SS pipe

0311029

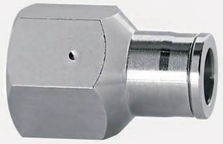
12 mm end plug

0311048

3/8" female connector to 12 mm SS pipe

12 mm Nickel plated brass fittings

0311049



1/2" female connector to 12 mm SS pipe

0311026

12 mm to 10 mm reducer for SS pipe

12 mm 303 Quality SS fittings

0311025SS

12 mm SS pipe coupling

0311031SS

12 mm SS line end fitting for SS pipe

0311044SS

1/4" 303 male connector for 12 mm pipe NPT

NORMATIC® PUSH IN FITTINGS FOR SS PIPES

0311027SS

12 mm equal T fitting for SS pipes 303 quality

0311028SS

12mm-10mm-12mm inequal T fitting for SS pipes 303 quality

12 mm 303 Quality SS fittings

0311029SS

12 mm end plug

0311026SS

12 mm to 10 mm reducer for SS pipe

0311047SS

12 mm elbow fitting

16 mm Nickel plated brass fittings for 16 mm pipe

0311069

16 mm brass pipe coupling

0311090

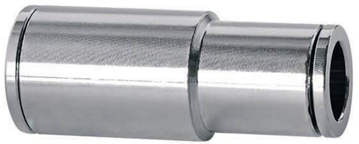
16 mm to 12 mm reducer

20 mm Nickel plated brass fittings for 20 mm pipe

0311065

20 mm brass pipe coupling

0311091



20 mm to 16 mm reducer

0311088

20 mm End Cap

0311064

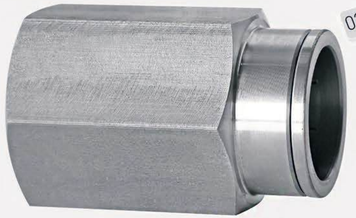
28 mm brass pipe coupling

0311092

28 mm to 20 mm reducer

28 mm Nickel plated brass and SS fittings for 28 mm pipe

0311079SS

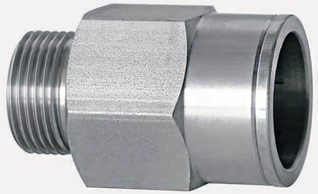


1" Female Adaptor to 28 mm SS tube

0311080SS

1" Male Adaptor to 28 mm SS tube

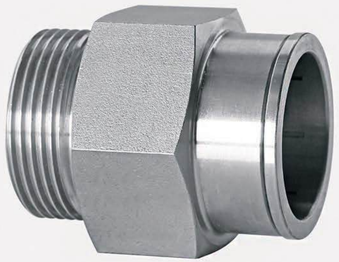
0311089SS



3/4" Male Adaptor to 28 mm SS tube

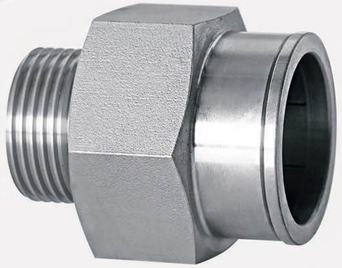
35 mm and SS fittings for 35 mm pipe

0311066SS



35 mm to 1¼" thermoplatic hose SS male adaptor

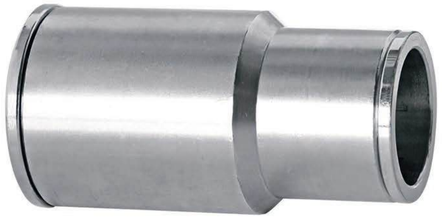
0311067SS



35 mm to 1" thermoplatic hose SS male adaptor

35 mm Nickel plated brass fittings for 35 mm pipe

0311061



35 mm to 28 mm reducer

0311062

35 mm to 20 mm reducer

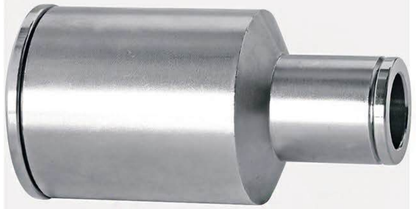
NORMATIC® PUSH IN FITTINGS FOR SS PIPES

35 mm Nickel plated brass fittings for 35 mm pipe

0311060

35 mm brass pipe coupling

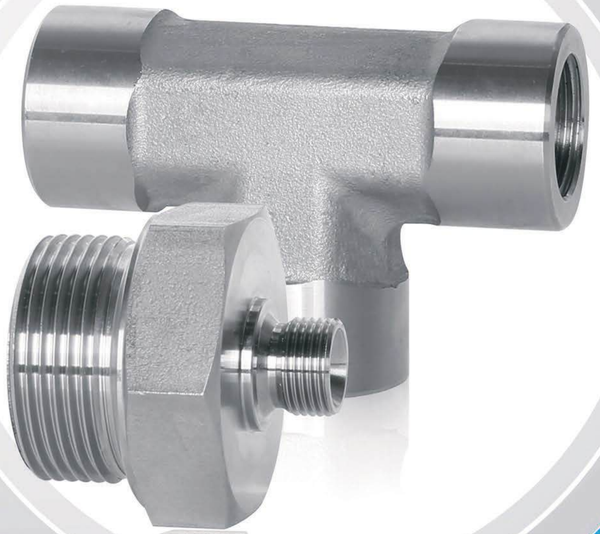
0311063



35 mm to 16 mm reducer

NORMIST®

STAINLESS STEEL 316L REDUCING NIPPLES



0310017SS

1" to 1/2" BSP reducing nipple
316 SS quality

0310036SS

1/2" to 1/4" BSP reducing nipple
316 quality

0310018SS

1" to 3/4" BSP reducing nipple
316 SS quality

0310019SS

3/4" to 1/2" BSP reducing nipple
316 SS quality

0310020SS

3/8" to 1/2" BSP reducing nipple
316 SS quality

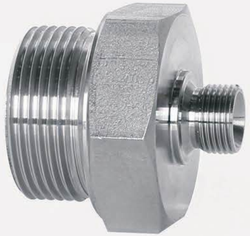
0310021SS

1" to 3/8" BSP reducing nipple
316 SS quality

0310022SS

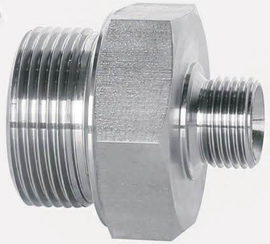
3/4" to 3/8" BSP reducing nipple
316 SS quality

0310034SS



1¼" to 3/8" BSP reducing nipple
316 quality

0310035SS



1¼" to 1/2" BSP reducing nipple
316 quality

0310032SS

1¼" to 3/4" BSP reducing nipple
316 SS quality

0310033SS

1¼" to 1" BSP reducing nipple
316 quality

0310031

Equal T fitting female 1 1/4" thread BSP 303

0311030

Equal T fitting female 1" thread BSP 303

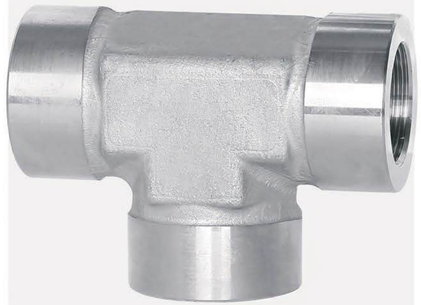
0311008

Equal T fitting female 3/8" thread BSP 303

0311007

Equal T fitting female 1/2" thread all 303 quality BSP

0311029



Equal T fitting female 3/4" thread BSP 303

0311051

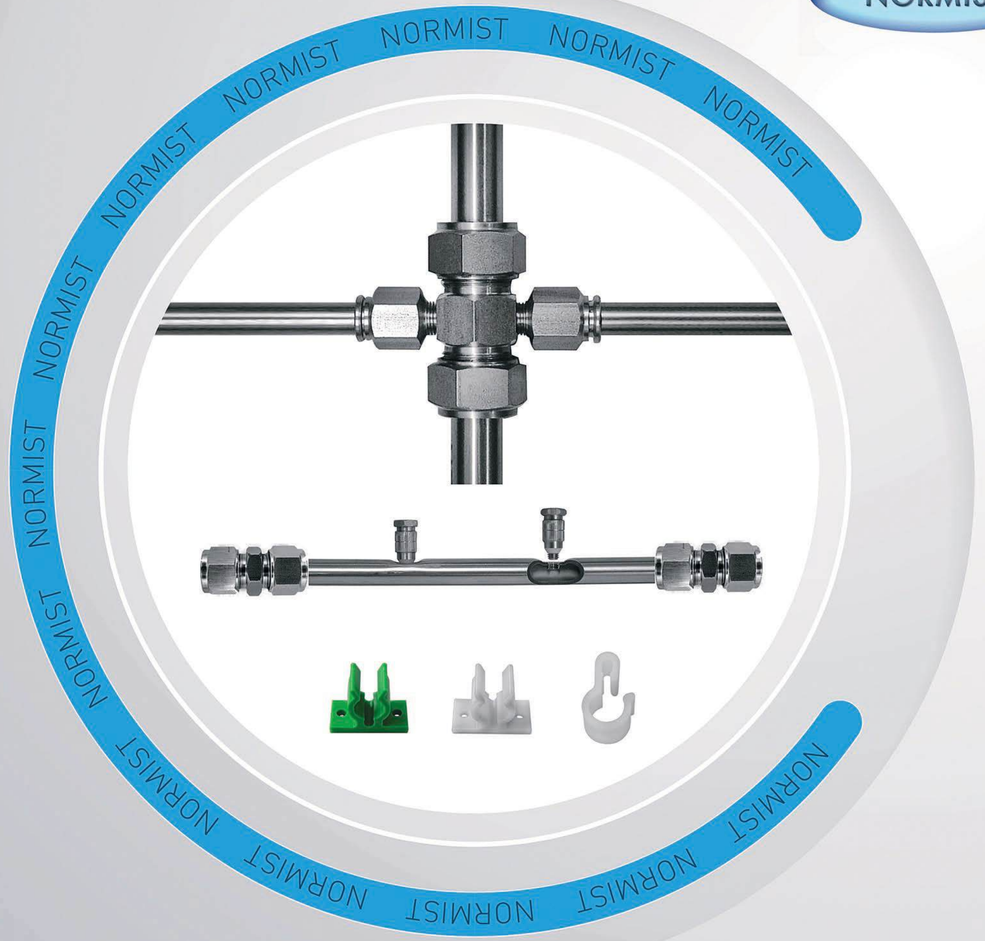
Elbow (L) fitting female 3/4" thread BSP 303

0311009

Elbow (L) fitting female 1/2" thread BSP 303

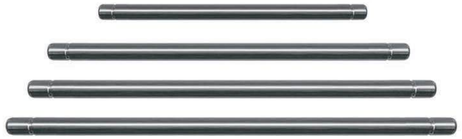
0311010

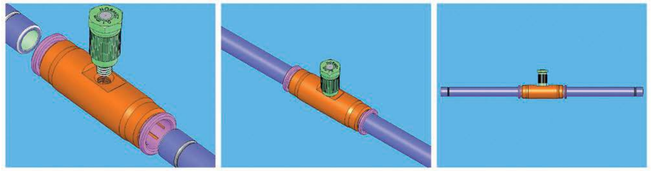
Elbow (L) fitting female 3/8" thread BSP 303



USAGE OF STAINLESS STEEL TUBES WITH OUR NEW NORMATIC® FITTING SYSTEM

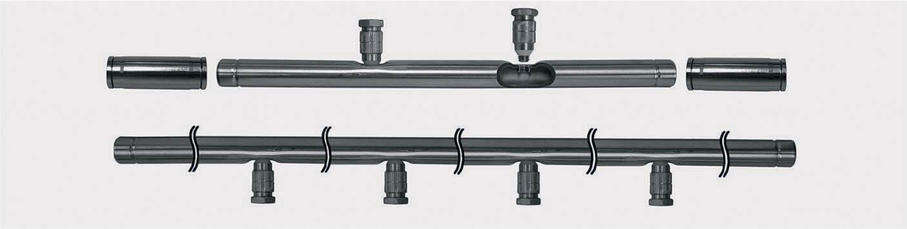
10x1.5 mm S. Steel pipe. This tube is used as a nozzle line. The pipe itself doesn't carry nozzles. Nozzles are on located special NORMATIC®push-in fittings. Available lengths are 75, 100, 120, 150, 200, 250, 300 cm. Working pressure is 100 Bar, burst pressure is 400 Bar. For more info refer to pressure lost chart.





12x1.5 mm S. Steel pipe. This tube is used as a main supply line for 10x1.5 mm tubes as well as a nozzle line. Available lengths are 3 and 6 meters. They can carry 2 to 12 nozzles with different spacing. Connection between pipes is made by compression fittings or by our special push in fittings. Working pressure is 150 Bar, burst pressure is 330 Bar. For more info refer to the pressure lost chart.

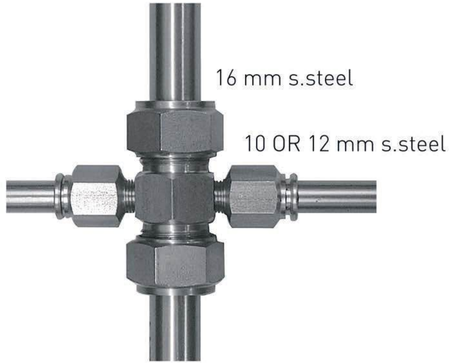
NORMATIC® PUSH IN FITTING CONNECTION



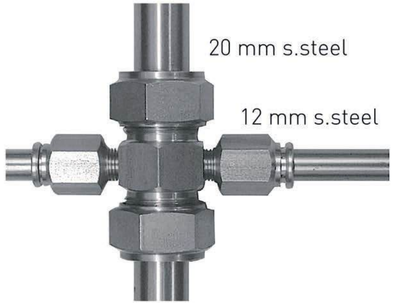
12x1.5 mm stainless steel pipe. Length 3 and 6 M

COMPRESSION FITTING CONNECTION

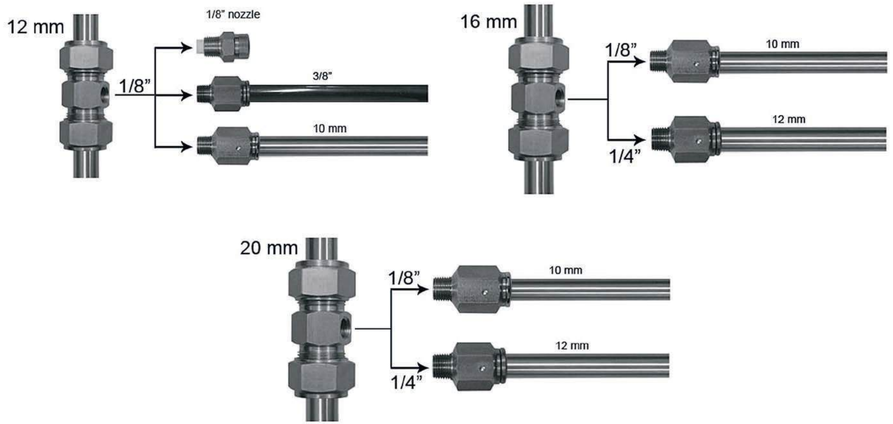
16x1.5 mm S. Steel pipe. This tube is used as supply tube for 10&12 mm nozzle lines. Working pressure is 150 Bar, burst pressure is 300 Bar. For more info see the pressure lost chart.



20x1.5 mm S. Steel pipe. This tube is used as a main supply tube for 16mm tube and 10&12 mm nozzle lines. Working pressure is 150 Bar, burst pressure is 270 Bar. For more info refer to the pressure lost chart.

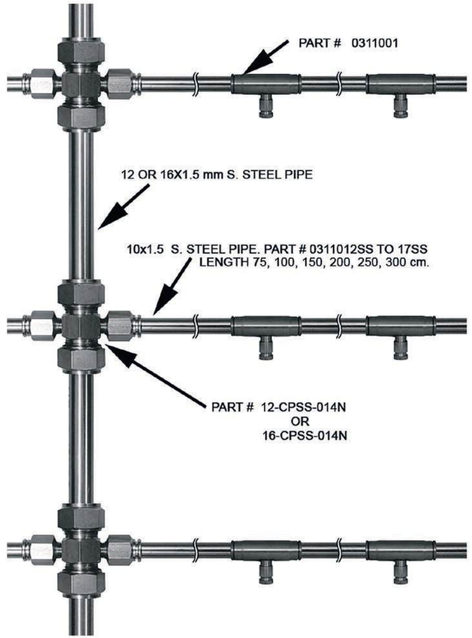


CONNECTION SAMPLES

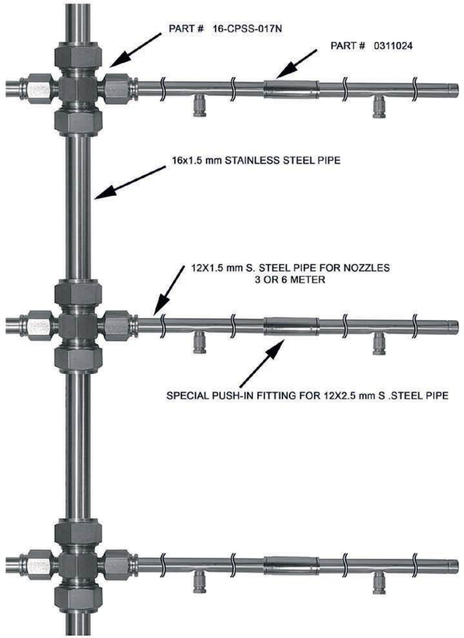


CONNECTION SAMPLES FOR GREENHOUSES

ALL STAINLESS STEEL WITH 10 mm MISTING LINES

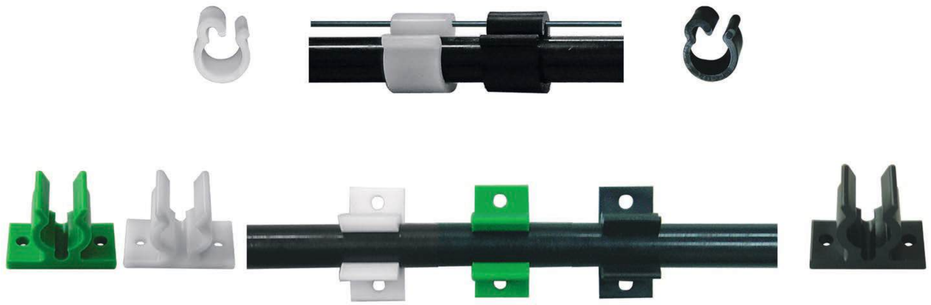


ALL STAINLESS STEEL WITH 12 mm MISTING LINES

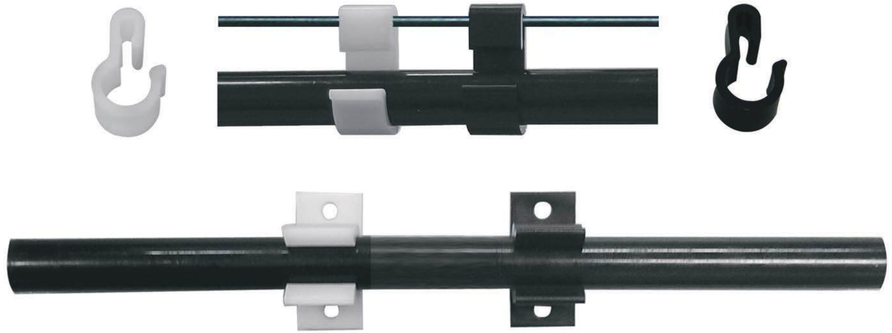


CLIPS AND HANGERS

Plastic clips and hangers for 3/8" tubing

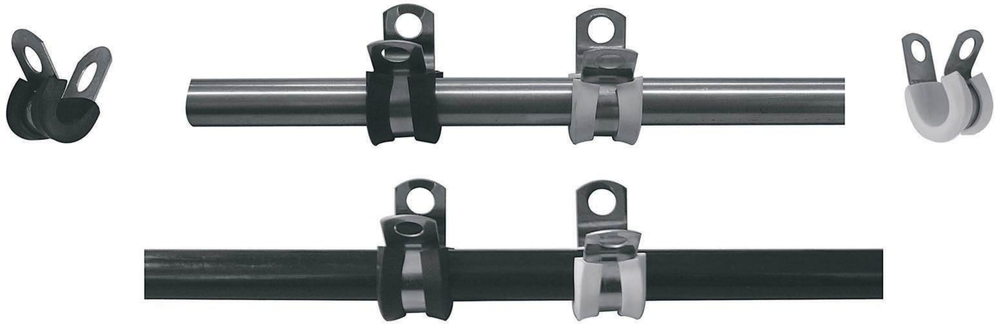


Plastic clips and hangers for 3/12" tubing



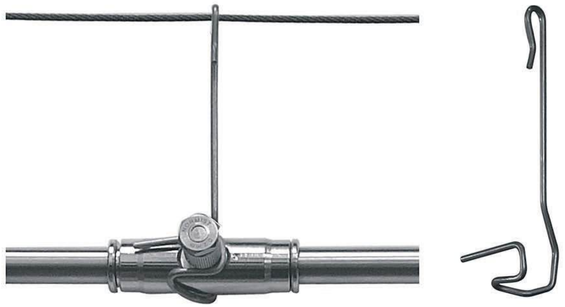
CLAMPS

Stainless steel clamps for 3/16"(5 mm) 5/16"(8 mm) 3/8" and 1/2" tubing



WIRE HANGER

Stainless steel wire hanger for 3/8" and 10 mm nozzle holder fitting



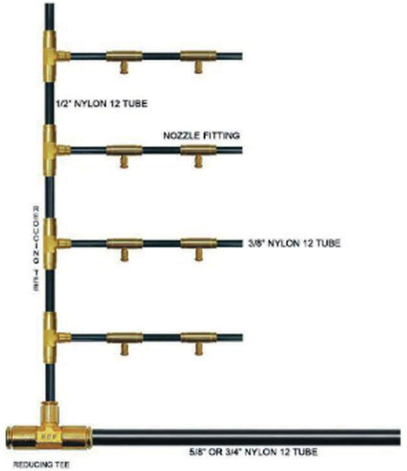
HOW TO USE NYLON TUBING IN GREENHOUSE AND MISTING INSTALLATION
LIST OF AVAILABLE NYLON PIPE

LIST OF AVAILABLE NYLON PIPE

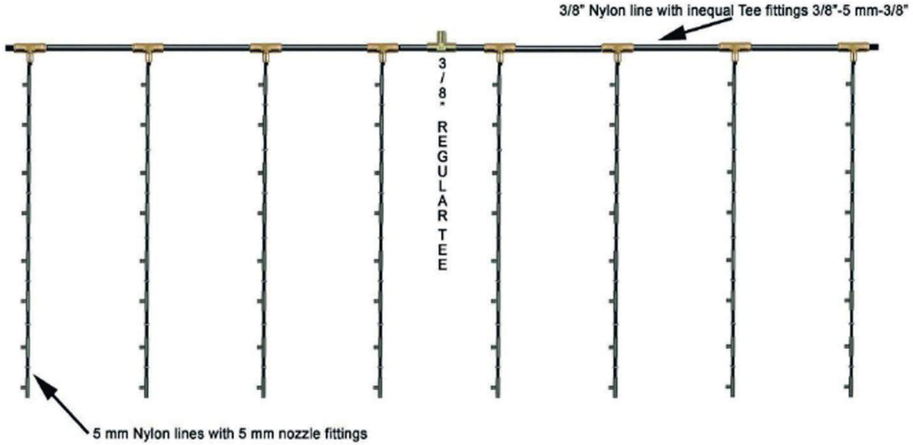
EXT. DIAMETER	INT. DIAMETER	WORKING PRESSURE	BURST PRESSURE
3/16" 5mm	2,5mm	70 BAR	145 BAR
1/4" 6,35mm	3,5mm	70 BAR	135 BAR
5/16" 8mm	4,0mm	70 BAR	143 BAR
3/8" 9,50mm	5,0mm	70 BAR	140 BAR
1/2" 12,7mm	7,0mm	70 BAR	126 BAR
5/8" 15,9mm	8,5mm	70 BAR	132 BAR
3/4" 19,05mm	10,5mm	70 BAR	126 BAR

NYLON PIPES: Nylon tubing are made from Nylon 12.Avoid low cost pipes made of Nylon 6 and Copolymers. We offer our new5/8" and 3/4" Nylon tubing from small to medium size greenhouse range.
3/8" is used only as nozzle lines.
1/2" tubing is used as a supply line for 3/8" misting lines. Our new 5/8" and 3/4" large tubing are used as main supply line to 1/2" tube lines.
Maximumpermissible pressure is 80 Bar. Burst pressure is 120/140 Bar. We have many greenhouses working for 10 years without trouble.
It is also possible to combine Stainless Steel pipes and Nylon pipes in the same greenhouse.
For any kind of installation, Stainless Steel or Nylon 12 our warranty is 5 years for the distribution network.

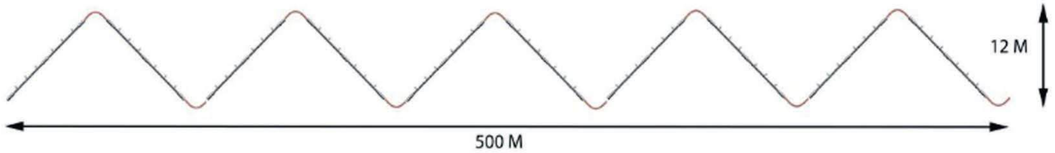
TYPICAL GREENHOUSE APPLICATION WITH NYLON PIPE

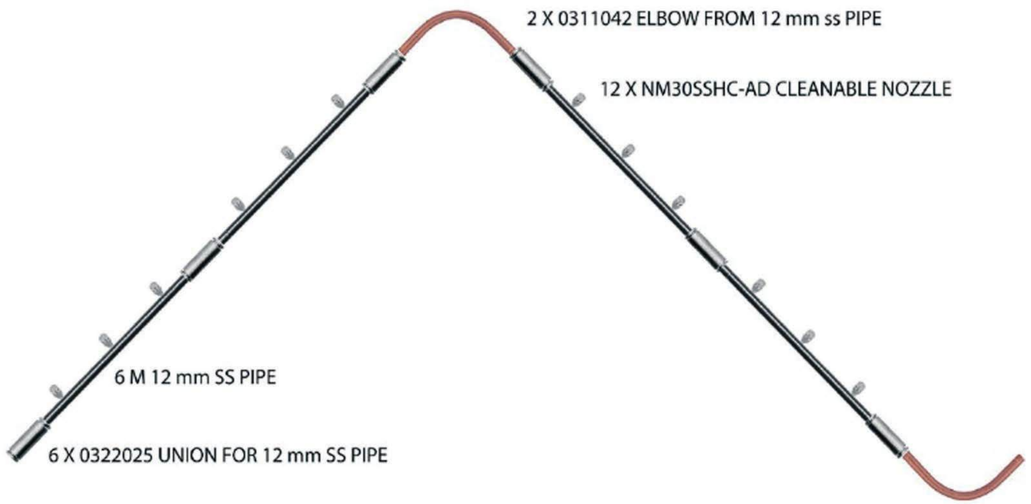


TYPICAL CHICKEN HOUSE WITH NYLON PIPE

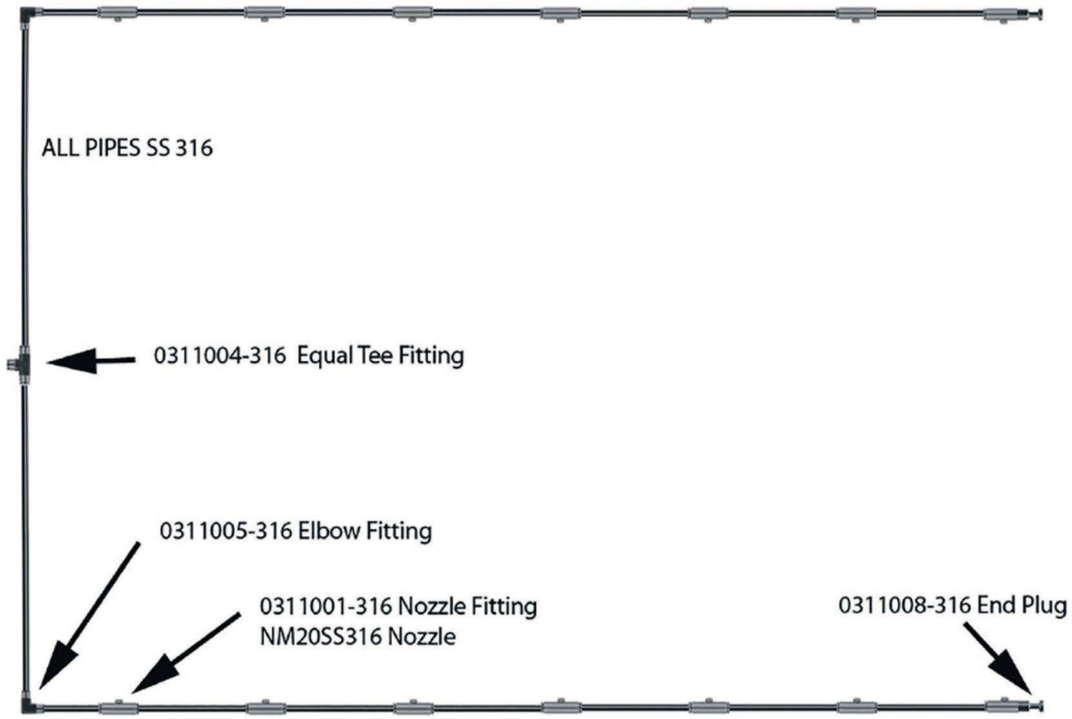


TYPICAL STREET COOLING





TYPICAL PIG HOUSE COOLING
ALL PARTS MUST BE SS 316



REDUCING FITTINGS FOR NYLON PIPE

3/8" / 5 mm / 3/8"

3/8" / 8 mm / 3/8"

1/2" / 3/8" / 1/2"

1/2" to 3/8" mm

1/2" to 8 mm

NEW 3/4" (19 mm) NYLON PIPE APPLICATION

NORMIST®

COMPRESSION FITTINGS 303 QUALITY FOR SS PIPES

1/4" fittings for 1/4" pipe

1/4" CPSS-001N

Ferrule set 316 for 1/4" tube

1/4" CPSS-002N

Nut 303 for 1/4" tube

1/4" CPSS-003N

Union 303 for 1/4" tube

1/4" CPSS-004N

Union Tee 303 for 1/4" tube

1/4" CPSS-005N

Union Elbow 303 for 1/4" tube

1/4" CPSS-006N

3/8" female NPT connector for 1/4" tube 303

COMPRESSION FITTINGS 303 QUALITY
FOR SS PIPES

1/4" fittings for 1/4" pipe

1/4" CPSS-007N

1/2" female NPT connector for 1/4" tube 303

1/4" CPSS-008N

3/8" male NPT connector for 1/4" tube 303

1/4" CPSS-009N

1/2" male NPT connector for 1/4" tube 303

1/4" CPSS-010N

Cap 303 for 1/4" tube

1/4" CPSS-014N

X fitting 1/4" tube to 1/4" SS tube

3/8" fittings for 3/8" pipe

3/8" CPSS-001N

Ferrule set 316 for 3/8" tube

3/8" CPSS-002N

Nut 303 for 3/8" tube

3/8" CPSS-003N

Union 303 for 3/8" tube

3/8" CPSS-004N

Union Tee 303 for 3/8" tube

3/8" CPSS-005N

Union Elbow 303 for 3/8" tube

3/8" CPSS-006N

3/8" female NPT connector for 3/8" tube 303

COMPRESSION FITTINGS 303 QUALITY
FOR SS PIPES

3/8" fittings for 3/8" pipe

3/8" CPSS-007N

1/2" female NPT connector for 3/8" tube 303

3/8" CPSS-008N

3/8" male NPT connector for 3/8" tube 303

3/8" CPSS-009N

1/2" male NPT connector for 3/8" tube 303

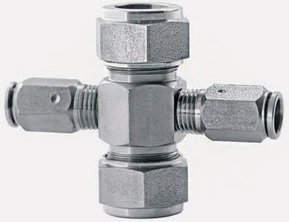
3/8" CPSS-010N

Cap 303 for 3/8" tube

3/8" CPSS-013N

X fitting 3/8" tube to 3/8" Nylon tube

3/8" CPSS-014N



X fitting 3/8" tube to 1/4" SS tube

3/8" fittings for 3/8" pipe

3/8"
CPSS-017N

X fitting 3/8" tube to 3/8" SS tube

3/8"
CPSS-015N

T fitting 3/8" tube to 1/4" SS tube

1/2" fittings for 1/2" pipe

1/2"
CPSS-001N

Ferrule set 316 for 1/2" tube

1/2"
CPSS-002N

Nut 303 for 1/2" tube

1/2"
CPSS-003N

Union 303 for 1/2" tube

COMPRESSION FITTINGS 303 QUALITY
FOR SS PIPES

1/2" fittings for 1/2" pipe

1/2"
CPSS-004N

Union Tee for
1/2" tube

1/2"
CPSS-005N

Union Elbow 303 for
1/2" tube

1/2"
CPSS-006N

3/8" female NPT connector for 1/2" tube 303

1/2"
CPSS-007N

1/2" female NPT connector for 1/2" tube 303

1/2"
CPSS-008N

3/8" male NPT connector for 1/2" tube 303

1/2"
CPSS-009N

1/2" male NPT connector for 1/2" tube 303

1/2" fittings for 1/2" pipe

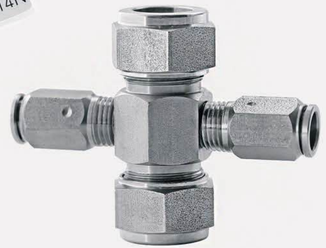
1/2" CPSS-010N

Cap 303 for 1/2" tube

1/2" CPSS-013N

X fitting 1/2" tube to 3/8" Nylon tube

1/2" CPSS-014N



X fitting 1/2" tube to 1/2" SS tube

1/2" CPSS-017N

X fitting 1/2" tube to 3/8" SS tube

1/2" CPSS-015N

T fitting 1/2" tube to 1/2" Nylon tube

1/2" CPSS-016N

Reducing union 1/2" to 3/8" SS tube

12 mm fittings for 12 mm pipe

12 CPSS-001N

Ferrule set 316 for 12 tube

12 CPSS-002N

Nut 303 for 12 tube

12 CPSS-003N

Union 303 for 12 tube

12 CPSS-004N

Union Tee
303 for 12 tube

12 CPSS-005N

Union Elbow
303 for 12 tube

12 CPSS-006N

3/8" female NPT connector for 12 tube 303

12 mm fittings for 12 mm pipe

12 CPSS-007N

1/2" female NPT connector for 12 tube 303

12 CPSS-008N

3/8" male NPT connector for 12 tube 303

12 CPSS-009N

1/2" male NPT connector for 12 tube 303

12 CPSS-010N

Cap 303 for 12 tube

12 CPSS-011N

Union 303 from 12 tube to 3/8" nylon tube

12 CPSS-012N

Union 303 from 12 tube to 1/2" nylon tube

COMPRESSION FITTINGS 303 QUALITY
FOR SS PIPES

12 CPSS-013N

X fitting 12 tube to 3/8" Nylon tube

12 mm fittings for 12 mm pipe

12 CPSS-014N

X fitting 12 tube to 10 SS tube

12 CPSS-015N

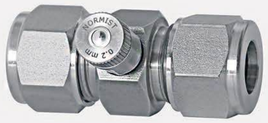
T fitting 12 tube to 3/8" Nylon tube

12 CPSS-016N

T fitting 12 tube to 10 SS tube

12 mm fittings for 12 mm pipe

12 CPSS-003N-1x1/8"



12 CPSS-003N-2xM5

12 CPSS-003N-1xM5

12 CPSS-003N-3x1/8"

12 CPSS-003N-2x1/8"

12 CPSS-003N-3xM5

COMPRESSION FITTINGS 303 QUALITY
FOR SS PIPES

16 mm fittings for 16 mm pipe

16 CPSS-001N

Ferrule set 316 for 16 tube

16 CPSS-002N

Nut 303 for for 16 tube

16 CPSS-003N

Union 303 for 16 tube

16 CPSS-004N

Union Tee
303 for 16 tube

16 CPSS-005N

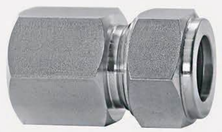
Union Elbow
303 for 16 tube

16 CPSS-006N

3/8" female NPT connector for 16 tube 303

16 mm fittings for 16 mm pipe

16 CPSS-007N



1/2" female NPT connector for 16 tube 303

16 CPSS-008N

3/8" male NPT connector for 16 tube 303

16 CPSS-009N

1/2" male NPT connector for 16 tube 303

16 CPSS-010N

Cap 303 for 12 tube

16 CPSS-011N

Inequal Tee 303 for 16-12-16 tube

16 CPSS-012N

Reducing union 303 16 to 12

COMPRESSION FITTINGS 303 QUALITY
FOR SS PIPES

16 mm fittings for 16 mm pipe

16 CPSS-013N

X fitting 16 tube to 3/8" Nylon tube

16 CPSS-014N

X fitting 16 tube 10 SS tube

16 CPSS-015N

T fitting 16 tube to 3/8" Nylon tube

16 CPSS-016N

T fitting 16 tube 10 SS tube

16 CPSS-018N

3/4" male NPT connector for 16 mm tube 303

16 CPSS-017N

X fitting 16 tube 12 SS tube

20 mm fittings for 20 mm pipe

20 CPSS-001N

Ferrule set 316 for 20 tube

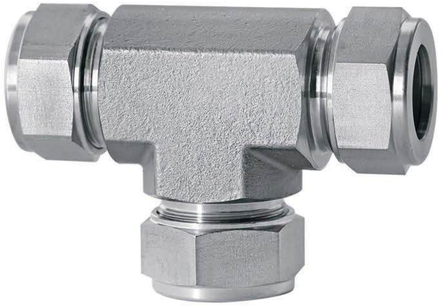
20 CPSS-002N

Nut 303 for for 20 tube

20 CPSS-003N

Union 303 for 20 tube

20 CPSS-004N



Union Tee 303 for 20 tube

20 CPSS-005N

Union Elbow 303 for 20 tube

COMPRESSION FITTINGS 303 QUALITY
FOR SS PIPES

20 mm fittings for 20 mm pipe

20 CPSS-011N

Inequal Tee 303 for 20-12-20 tube

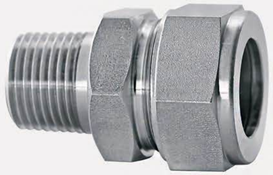
20 CPSS-012N

Inequal Tee 303 for 20-16-20 tube

20 CPSS-007N

1/2" female NPT connector for 20 tube

20 CPSS-009N



1/2" male NPT connector for 20 tube

20 CPSS-010N

Cap 303 for 20 tube

20 mm fittings for 20 mm pipe

20 CPSS-013N

Reducing union 303 20 to 12

20 CPSS-014N

Reducing union 303 20 to 16

20 CPSS-015N

3/8" female NPT connector for 20 mm tube

20 CPSS-016N

X fitting 20 tube to 3/8" Nylon tube

20 CPSS-017N

X fitting 20 tube 10 SS tube

COMPRESSION FITTINGS 303 QUALITY
FOR SS PIPES

20 mm fittings for 20 mm pipe

20 CPSS-018N

T fitting 20 tube to 3/8" Nylon tube

20 CPSS-019N

T fitting 20 tube 10 SS tube

20 CPSS-020N

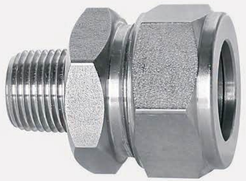
3/4" female NPT connector for 20 tube

20 CPSS-021N

1" male NPT connector for 20 tube

20 mm fittings for 20 mm pipe

20
CPSS-022N



3/8" male NPT connector for 20 mm tube

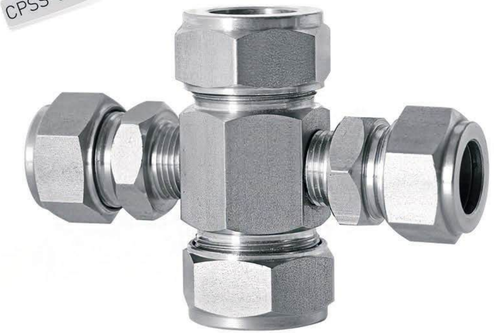
20
CPSS-025N

3/4" male NPT connector to 20 SS tube

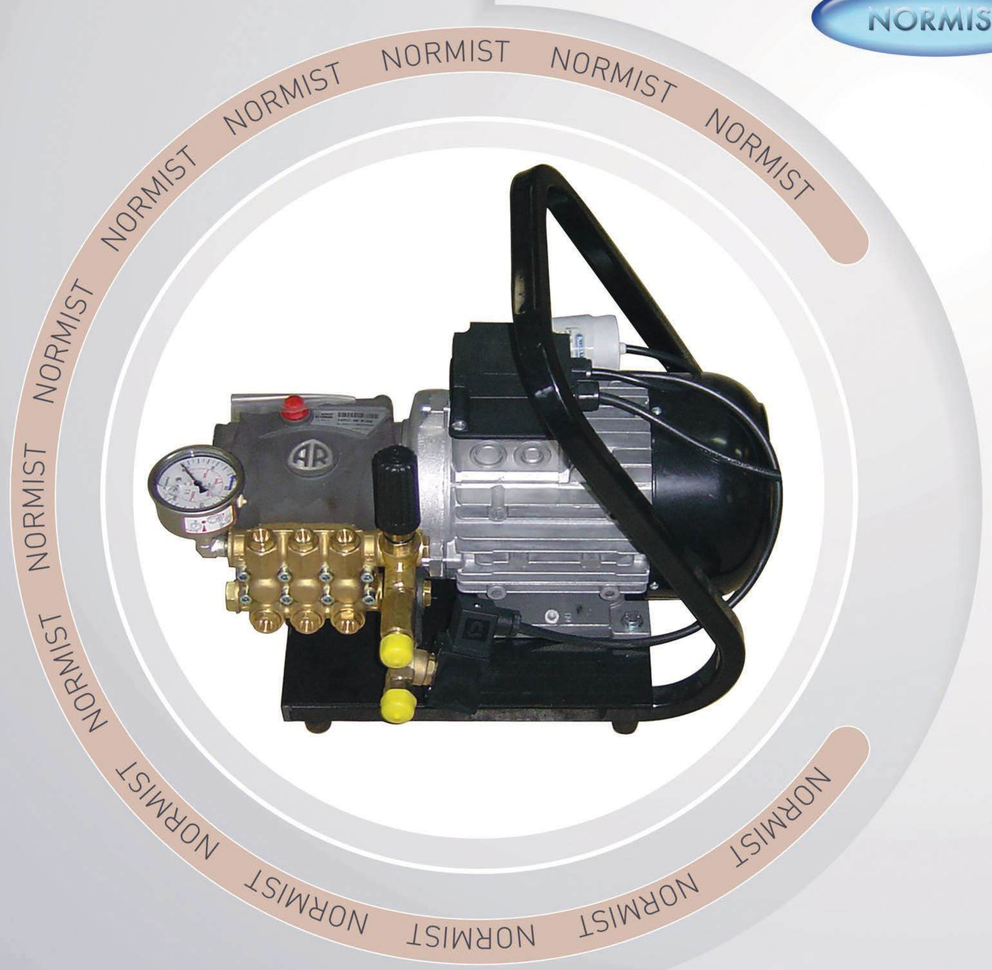
20
CPSS-023N

X fitting 20 tube to 12mm Nylon tube

20
CPSS-024N



X fitting 20 tube 16 SS tube



H PRESSURE PUMPS

H PRESSURE PUMPS

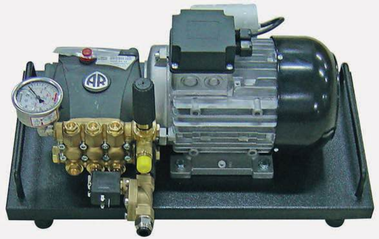
0307070

RR 0.5 - 1 - 2 - 3 - 4 LPM
70 BAR, TIMER, PRESSURE SWITCH
AUTOMATIC DRAIN
3 PISTONS A.R PUMP 230 V
26/27/27/27/28 Kg

0307065

AR6-C 6 LPM 120 BAR A.R. PUMP
230 V 26 Kg OPTIONS:
Control Box / On-Off Timer
Pressure Switch / Autom. Drain

0307068

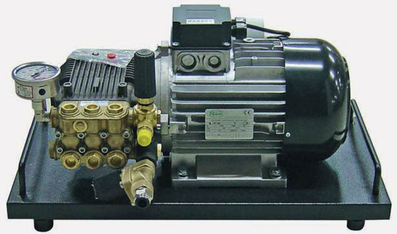


AR8-C 8 LPM 120 BAR A.R. PUMP
230 V 28 Kg OPTIONS:
Control Box / On-Off Timer
Pressure Switch / Autom. Drain

0307021

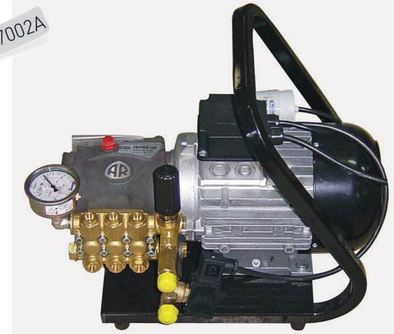
2SF5 5 LPM 140 BAR CAT PUMP
230 V 39 Kg OPTIONS:
Control Box / On-Off Timer
Pressure Switch / Autom. Drain

0307067



AR7 7 LPM 100 BAR A.R. PUMP
230 V 35 Kg OPTIONS:
Control Box / On-Off Timer
Pressure Switch / Autom. Drain

0307002A



AR9 9 LPM 90 BAR A.R. PUMP
230 V 26 Kg OPTIONS:
Control Box / On-Off Timer
Pressure Switch / Autom. Drain

0307018

2SF10 10 LPM 140 BAR CAT PUMP
400 V42 Kg OPTIONS:
Control Box / On-Off Timer
Pressure Switch / Autom. Drain

0307078

AJ12 12 LPM 120 BAR BERTOLINI PUMP
400 V 32 Kg OPTIONS:
Control Box / On-Off Timer
Pressure Switch / Autom. Drain

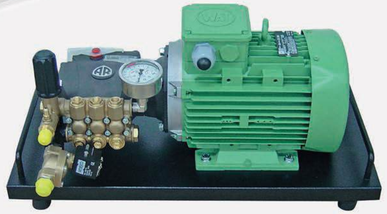
0307070

AR15 15 LPM 120 BAR A.R. PUMP
400 V 39 Kg OPTIONS:
Control Box / On-Off Timer
Pressure Switch / Autom. Drain

0307016

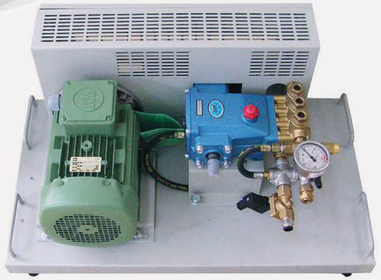
2SF 2-10 2 TO 10 LPM ADJUSTABLE
BY INVERTER. 140 BAR CAT PUMP
400 V 52 Kg On-Off Timer, Control Box
Pressure switch / Automatic Drain

0307073



AR14 14 LPM 150 BAR A.R. PUMP
400V 31 Kg OPTIONS:
Control Box / On-Off Timer
Pressure Switch / Autom. Drain

0307011



3CP16 16 LPM 155 BAR CAT PUMP
400 V 45 Kg OPTIONS:
Control Box / On-Off Timer
Pressure Switch / Autom. Drain

0307071

AR18 18 LPM 80/160 BAR A.R. PUMP
400V 48 Kg OPTIONS:
Control Box / On-Off Timer
Pressure Switch / Autom. Drain

0307013

5CP23 23 LPM 135 BAR CAT PUMP
400V 63 Kg OPTIONS:
Control Box / On-Off Timer
Pressure Switch / Autom. Drain

0307025

AR26 26 LPM 80/120 BAR A.R. PUMP
400 V 49 Kg OPTIONS:
Control Box / On-Off Timer
Pressure Switch / Autom. Drain

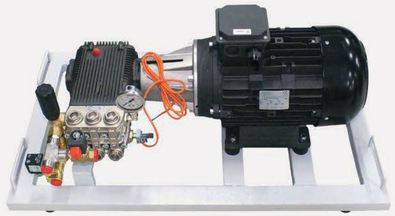
0307072

AR21 21 LPM 120 BAR A.R. PUMP
400 V 48 Kg OPTIONS:
Control Box / On-Off Timer
Pressure Switch / Autom. Drain

0307024

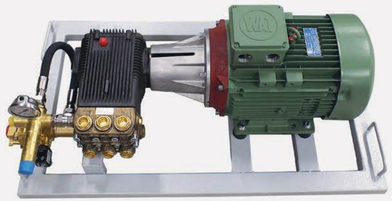
10-25 10 TO 25 LPM ADJUSTABLE PUMP
BY INVERTER. 135 BAR CAT PUMP
400 V 78 Kg, On-Off timer, Control Box,
Pressure Switch, Automatic drain

0307037



AR36 36 LPM 80/120 BAR A.R. PUMP
400V 53 Kg OPTIONS:
Control Box / On-Off Timer
Pressure Switch / Autom. Drain

0307038



AR42 42 LPM 80/100 BAR A.R. PUMP
400V 91 Kg OPTIONS:
Control Box / On-Off Timer
Pressure Switch / Autom. Drain

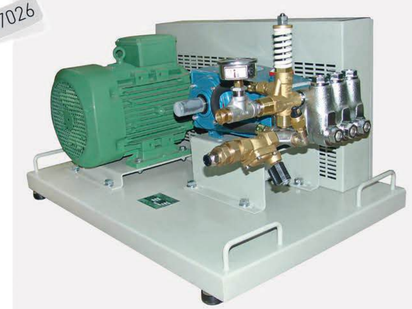
0307029

15CP20 TO 45 LPM ADJUSTABLE PUMP
BY INVERTER. 125 BAR CAT PUMP
400 V 143 Kg On-Off Timer, Cpntrol Box,
Pressure Switch, Automatic drain.

0307045

15CP59 59 LPM 100 BAR CAT PUMP
400 V 126 Kg OPTIONS:
Control Box / On-Off Timer
Pressure Switch / Autom. Drain

0307026



15CP45 45 LPM 125 BAR CAT PUMP
400 V 116 Kg OPTIONS:
Control Box / On-Off Timer
Pressure Switch / Autom. Drain

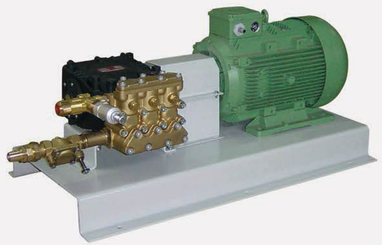
0307078

AR50 50 LPM 100 BAR A.R. PUMP
400 V 93 Kg OPTIONS:
Control Box / On-Off Timer
Pressure Switch / Autom. Drain

0307033

15CF68 68 LPM 80 BAR CAT PUMP
400 V 124 Kg OPTIONS:
Control Box / On-Off Timer
Pressure Switch / Autom. Drain

0307074

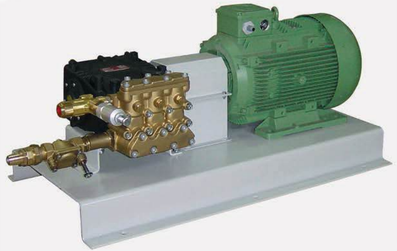


W70 70 LPM 120 BAR INTERPUMP PUMP
400V 181 Kg OPTIONS:
Control Box / On-Off Timer
Pressure Switch / Autom. Drain

0307032

35CP87 87 LPM 140 BAR CAT PUMP
400 V 235 Kg OPTIONS:
Control Box / On-Off Timer
Pressure Switch / Autom. Drain

0307075

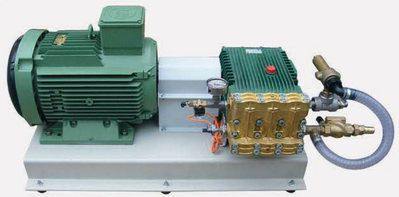


W100 100 LPM 100 BAR INTERPUMP PUMP
400 V 213 Kg OPTIONS:
Control Box / On-Off Timer
Pressure Switch / Autom. Drain

0307036

CK72 72 LPM 120 BAR BERTOLINI PUMP
400 V 196 Kg OPTIONS:
Control Box / On-Off Timer
Pressure Switch / Autom. Drain

0307035



CK92 92 LPM 120 BAR BERTOLINI PUMP
400 V 230 Kg OPTIONS:
Control Box / On-Off Timer
Pressure Switch / Autom. Drain

0307040

AR135 135 LPM 100 BAR A.R. PUMP
400 V 450 Kg
Control Box / On-Off Timer
Pressure Switch / Autom. Drain

0307046

CX120 120 LPM 100 BAR BERTOLINI PUMP
400 V 436 Kg OPTIONS:
Control Box / On-Off Timer
Pressure Switch / Autom. Drain

0307047

CX155 155 LPM 100 BAR BERTOLINI PUMP
400 V 486 Kg OPTIONS:
Control Box / On-Off Timer
Pressure Switch / Autom. Drain

0307077

KF170 170 LPM 120 BAR INTERPUMP
400 V 470 Kg OPTIONS:
Control Box / On-Off Timer
Pressure Switch / Autom. Drain

0307076

KF153 153 LPM 130 BAR INTERPUMP
400 V 470 Kg OPTIONS
Control Box / On-Off Timer
Pressure Switch / Autom. Drain

0307048

CX175 175 LPM 100 BAR BERTOLINI PUMP
400 V 486 Kg OPTIONS:
Control Box / On-Off Timer
Pressure Switch / Autom. Drain

0307034

35CP170 170 LPM 70 BAR CAT PUM
400 V 170 LPM OPTIONS:
Control Box / On-Off Timer
Pressure Switch / Autom. Drain

H PRESSURE PUMPS

0307049

DFP2-2 2 LPM 100 BAR DANFOSS
230V 46 Kg ALL SS FRAME
Control Box, On-Off timer,
Pressure Switch, Automatic Drain

0307050

DFP4-5 5 LPM 100 BAR DANFOSS
230V XX Kg ALL SS FRAME
Control Box, On-Off timer,
Pressure Switch, Automatic Drain

0307052

DFP-10-13 13LPM 100 BAR DANFOSS
400V 61 Kg ALL SS FRAME
Control Box, On-Off timer,
Pressure Switch, Automatic Drain

0307056

INVERTER
DFP2-1/5 1 TO 5 LPM 100 BAR
230 V 41 Kg ALL SS FRAME
Control Box, On-Off timer,
Pressure Switch, Automatic Drain

H PRESSURE PUMPS

0307051

DFP6.3-8 8 LPM 100 BAR DANFOSS
230 V 54 Kg ALL SS FRAME
Control Box, On-Off timer,
Pressure Switch, Automatic Drain

0307055

DFP32-45 45 LPM 100 BAR DANFOSS
400 V 215 Kg ALL SS FRAME
Control Box, On-Off timer,
Pressure Switch, Automatic Drain

0307060

INVERTOR DFP12.5-10/27 10 TO 27 LPM
100 BAR DANFOSS PUMP 400 V 97 Kg
ALL SS STEEL FRAME
Control Box, On-Off timer,
Pressure Switch, Automatic Drain

0307061

INVERTOR DFP25 21 TO 56 LPM
DANFOSS PUMP 400 V 231 Kg
ALL SS STEEL FRAME 100 BAR
Control Box, On-Off timer,
Pressure Switch, Automatic Drain

0307062

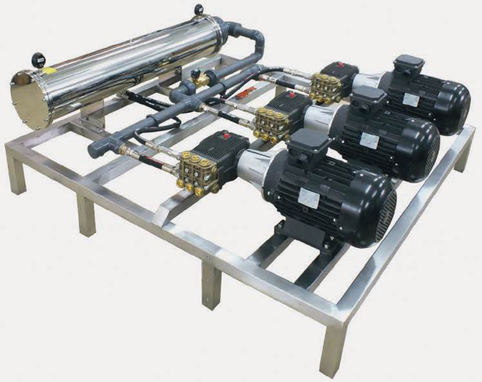
INVERTOR DFP32 29 TO 73 LPM
DANFOSS PUMP 100 BAR 400 V 266 Kg
ALL SS STEEL FRAME
Control Box, On-Off timer,
Pressure Switch, Automatic Drain

PUMP STATIONS FOR GREENHOUSES

6 x 42 LPM ANNOVI REVERBERI PUMP
STATION INVERTER CONTROLLED
TOTAL FLOW 252 LPM

3 x 50 LPM ANNOVI REVERBERI PUMP
STATION INVERTER CONTROLLED
TOTAL FLOW 150 LPM

4 x 50 LPM ANNOVI REVERBERI PUMP
STATION INVERTER CONTROLLED
TOTAL FLOW 200 LPM



3 x 50 LPM ANNOVI REVERBERI PUMP
STATION INVERTER CONTROLLED
TOTAL FLOW 150 LPM

PUMP STATIONS FOR GREENHOUSES

1 x 95 LPM BERTOLINI PUMP
STATION INVERTER CONTROLLED
TOTAL FLOW 95 LPM

6 x 50 LPM ANNOVI REVERBERI PUMP
STATION INVERTER CONTROLLED
TOTAL FLOW 300 LPM

4 x 50 LPM BERTOLINI PUMPS.
TOTAL FLOW 200 LPM

2 X 85 LPM CAT PUMPS.
TOTAL FLOW 170 LPM

NORMIST HIGH PRESSURE PUMP UNITS

	Pump Unit	Pres.	Flow LPM	Flow GPM	Drive	Motor HP	Volt Phase	A	dB	Dimension With Wooden Box	Weight With Box
ANNOVI REVERBERI	**NOR06**	50 Bar	0.6	0.15	Direct	0.16	220-1	1.2	65	47x47x38	
	RR0.5	70 Bar	0.5	0.15	V Pulley	0.5	220-1	1.8	70	55x46x42	21
	RR1	70 Bar	1	0.25	V Pulley	0.5	220-1	2.2	71	55x46x42	32
	RR2	70 Bar	2	0.5	V Pulley	0.75	220-1	2.5	78	55x46x42	33
	RR3	70 Bar	3	0.8	V Pulley	0.75	220-1	3	78	55x46x42	32
	RR4	70 Bar	4	1	V Pulley	1	220-1	4.1	75	55x46x42	33
	AR4	70 Bar	4	1	V Pulley	1	220-1	4.7	79	62x48x48	39
	AR6	70 Bar	6	1.5	V Pulley	1.5	220-1	6.5	80	62x48x48	40
	AR6C	70 Bar	6	1.5	Flex Coupling	1.5	220-1	8	80	62x48x48	36
	AR7	70 Bar	7	1.9	Direct	3	220-1	13	80	72x48x48	45
	AR8	70 Bar	8	2.1	Direct	3	220-1	13	80	72x48x48	45
	AR8C	70 Bar	8	2.1	Direct	3	220-1	13	80	62x48x48	37.5
	AR9	70 Bar	9	2.56	Direct	2	220-1	9.5	80	55x46x49	34
	AR12.5	70 Bar	12.5	3.3	Direct	3	380-3	5.6	81	72x48x48	40
	AR14	70 Bar	14	3.7	Direct	3	380-3	5	81	72x48x48	41
	AR15	70 Bar	15	4	Direct	5.5	380-3	9	81	72x48x48	49
	AR18	70 Bar	18	4.8	Direct	7.5	380-3	12	82	72x48x48	58
	AR18C	70 Bar	18	4.8	Direct	5.5	380-3	8	80	72x48x48	49
	AR21	70 Bar	21	5.5	Direct	7.5	380-3	12	82	72x48x48	58
	AR26	70 Bar	26	6.87	Flex Coupling	7.5	380-3	9	85	100x70x60	85
	AR36	70 Bar	36	9.5	Flex Coupling	10	380-3	12	86	110x56x52	115
	AR42	70 Bar	42	11	Flex Coupling	13	380-3	13	86	110x56x52	120
	AR135	70 Bar	135	35.7	4x V Pulley	40.8	380-3	42	96	150x95x64	486
DANFOSS	**DFP2-1/5**	70 Bar	1-5	0.2-1.3	Flex Coupling	2	380-3	3	-	80x60x70	56
	DFP2-2	70 Bar	2	0.53	Flex Coupling	1	220-1	5	-	80x60x70	53
	DFP4-2/8	70 Bar	2-8	0.53-2.1	Flex Coupling	3	380-3	4.5	-	85x60x75	59
	DFP6.3-8	70 Bar	8	2.1	Flex Coupling	3	380-3	8	-	90x55x70	74
	DFP10-13	70 Bar	13	3.4	Flex Coupling	4	380-3	10	-	90x55x70	81
	DFP12.5-10/27	70 Bar	10-27	2.7-7.1	Flex Coupling	7.5	380-3	12	-	110x65x100	120
	DFP25-21/26	70 Bar	21-26	5.5-6.9	Flex Coupling	15	380-3	14	-	120x70x110	261
	DFP32-45	70 Bar	45	12	Flex Coupling	15	380-3	15	-	120x70x105	245

NORMIST HIGH PRESSURE PUMP UNITS

	Pump Unit	Pres.	Flow LPM	Flow GPM	Drive	Motor HP	Volt Phase	A	dB	Dimension With Wooden Box	Weight With Box
BERTOLINI	**CK72**	70 Bar	72	19	Flex Coupling	20	380-3	27	94	120x70x60	205
	CK95	70 Bar	95	25	Flex Coupling	30	380-3	45	96	150x95x64	250
	CX120	70 Bar	120	31,21	4x V Pulley	40	380-3	35	88	170x130x85	506
	CX155	70 Bar	155	40,7	4x V Pulley	50	380-3	45	90	170x130x85	556
	CX175	70 Bar	175	46.3	4x V Pulley	50	380-3	50	90	170x130x85	556
CAT PUMP	**2SF5**	70 Bar	5	1.3	Direct	1½	220-1	6	75	72x46x38	49
	NM 2-10	70 Bar	2 / 10	0.5 to 2.65	Direct	2	380-3	10	67/75	70x70x48	67
	2SF10	70 Bar	10	2.6	Direct	3	220-1	10	83	72x46x38	51
	3CP16	70 Bar	16	4	2x Pulley	5.5	380-3	8.8	87	90x52x54	70
	5CP23	70 Bar	23	6.1	2X Pulley	5½	380-3	7	88	90x52x54	75
	15CP45	70 Bar	45	12	3X Pulley	10	380-3	12	96	94x64x60	132
	15CP59	70 Bar	59	15.6	Direct	15	380-3	18	90	94x64x60	146
	15CP68	70 Bar	68	17.9	Trigger Pulley	15	380-3	21	97	110x75x55	146
	35CP87	70 Bar	87	23	Trigger Pulley	20½	380-3	29.5	97	150x95x64	255
	3545CP170	70 Bar	170	45	Trigger Pulley	40	380-3	56	97	150x95x64	270
INTERPUMP	**W70**	70 Bar	70	18.5	Flex Coupling	20	380-3	14	90	130x90x75	231
	W100	70 Bar	100	26.4	Flex Coupling	30	380-3	30	91	160x90x80	263
	KF153	70 Bar	153	40.4	4x V Pulley	50	380-3	43	94	170x130x85	544
	KF170	70 Bar	170	45	4x V Pulley	50	380-3	50	94	170x130x85	544

MISTING NOZZLES

High performance hex series (brass & nickel plated)

CODE	ORIFICE DIAMETER	SPRAY ANGLE	AVERAGE DROPLET SIZE	THREAD SIZE
NM10BH-M NM10BH-U1 NM10BH-U2	0.10mm 0.004"	45°	<3m	M5 10-24 12-24
NM15BH-M NM15BH-U1 NM15BH-U2	0.15 mm 0.006"	55°	<5m	M5 10-24 12-24
NM20BH-M NM20BH-U1 NM20BH-U2	0.20 mm 0.008"	70°	<6m	M5 10-24 12-24
NM30BH-M NM30BH-U1 NM30BH-U2	0.30 mm 0.012"	80°	<8m	M5 10-24 12-24
NM40BH-M NM40BH-U1 NM40BH-U2	0.40 mm 0.016"	90°	<11m	M5 10-24 12-24
NM50BH-M NM50BH-U1 NM50BH-U2	0.50 mm 0.020"	95°	<15m	M5 10-24 12-24
NM60BH-M NM60BH-U1 NM60BH-U2	0.60 mm 0.024"	95°	<17m	M5 10-24 12-24
NM70BH-M NM70BH-U1 NM70BH-U2	0.70 mm 0.028"	100°	<20m	M5 10-24 12-24

High performance hex series SS 303

CODE	ORIFICE DIAMETER	SPRAY ANGLE	AVERAGE DROPLET SIZE	THREAD SIZE
NM10SSH-M NM10SSH-U1 NM10SSH-U2	0.10mm 0.004"	45°	<3m	M5 10-24 12-24
NM15SSH-M NM15SSH-U1 NM15SSH-U2	0.15 mm 0.006"	55°	<5m	M5 10-24 12-24
NM20SSH-M NM20SSH-U1 NM20SSH-U2	0.20 mm 0.008"	70°	<6m	M5 10-24 12-24
NM30SSH-M NM30SSH-U1 NM30SSH-U2	0.30 mm 0.012"	80°	<8m	M5 10-24 12-24
NM40SSH-M NM40SSH-U1 NM40SSH-U2	0.40 mm 0.016"	90°	<11m	M5 10-24 12-24
NM50SSH-M NM50SSH-U1 NM50SSH-U2	0.50 mm 0.020"	95°	<15m	M5 10-24 12-24
NM60SSH-M NM60SSH-U1 NM60SSH-U2	0.60 mm 0.024"	95°	<17m	M5 10-24 12-24
NM70SSH-M NM70SSH-U1 NM70SSH-U2	0.70 mm 0.028"	100°	<20m	M5 10-24 12-24

High performance high flow hex series (brass & nickel plated)

CODE	ORIFICE DIAMETER	SPRAY ANGLE	AVERAGE DROPLET SIZE	THREAD SIZE
NM40BH-HF-M NM40BH-HF-U1 NM40BH-HF-U2	0.40mm 0.016"	90°	<15m	M5 10-24 12-24
NM50BH-HF-M NM50BH-HF-U1 NM50BH-HF-U2	0.50 mm 0.020"	95°	<30m	M5 10-24 12-24
NM60BH-HF-M NM60BH-HF-U1 NM60BH-HF-U2	0.60 mm 0.024"	95°	<38m	M5 10-24 12-24
NM70BH-HF-M NM70BH-HF-U1 NM70BH-HF-U2	0.70 mm 0.028"	100°	<46m	M5 10-24 12-24

High precision mini series for mini fittings (brass)

CODE	ORIFICE DIAMETER	THREAD SIZE
NM15B mini	0.15mm 0.006"	M-5
NM20B mini	0.20 mm 0.008"	M-5
NM30B mini	0.30 mm 0.012"	M-5

MISTING NOZZLES

High performance knurled all 316L SS series

CODE	ORIFICE DIAMETER	SPRAY ANGLE	AVERAGE DROPLET SIZE	THREAD SIZE
NM10SS316-U1 NM10SS316-U2	0.10mm	45°	<3m	10-24 12-24
NM15SS316-U1 NM15SS316-U2	0.15mm	55°	<5m	10-24 12-24
NM20SS316-U1 NM20SS316-U2	0.20mm	70°	<6m	10-24 12-24
NM30SS316-U1 NM30SS316-U2	0.30mm	85°	<8m	10-24 12-24
NM40SS316-U1 NM40SS316-U2	0.40mm	90°	<11m	10-24 12-24
NM50SS316-U1 NM50SS316-U2	0.50mm	95°	<13m	10-24 12-24
NM60SS316-U1 NM60SS316-U2	0.60mm	95°	<17m	10-24 12-24
NM70SS316-U1 NM70SS316-U2	0.70mm	100°	<20m	10-24 12-24

High precision hex C series cleanable with anti-drip adaptor (brass & nickel plated)

CODE	ORIFICE DIAMETER	THREAD SIZE
NM10BHC-AD-M NM10BHC-AD-U1 NM10BHC-AD-U2	0.10mm 0.004"	M5 10-24 12-24
NM15BHC-AD-M NM15BHC-AD-U1 NM15BHC-AD-U2	0.15 mm 0.006"	M5 10-24 12-24
NM20BHC-AD-M NM20BHC-AD-U1 NM20BHC-AD-U2	0.20 mm 0.008"	M5 10-24 12-24
NM30BHC-AD-M NM30BHC-AD-U1 NM30BHC-AD-U2	0.30 mm 0.012"	M5 10-24 12-24
NM40BHC-AD-M NM40BHC-AD-U1 NM40BHC-AD-U2	0.40 mm 0.016"	M5 10-24 12-24
NM50BHC-AD-M NM50BHC-AD-U1 NM50BHC-AD-U2	0.50 mm 0.020"	M5 10-24 12-24
NM60BHC-AD-M NM60BHC-AD-U1 NM60BHC-AD-U2	0.60 mm 0.024"	M5 10-24 12-24
NM70BHC-AD-M NM70BHC-AD-U1 NM70BHC-AD-U2	0.70 mm 0.028"	M5 10-24 12-24

High precision hex C series cleanable nozzle with anti-drip adaptor (SS 303)

CODE	ORIFICE DIAMETER	THREAD SIZE
NM10SSHC-AD-M NM10SSHC-AD-U1 NM10SSHC-AD-U2	0.10mm 0.004"	M5 10-24 12-24
NM15SSHC-AD-M NM15SSHC-AD-U1 NM15SSHC-AD-U2	0.15 mm 0.006"	M5 10-24 12-24
NM20SSHC-AD-M NM20SSHC-AD-U1 NM20SSHC-AD-U2	0.20 mm 0.008"	M5 10-24 12-24
NM30SSHC-AD-M NM30SSHC-AD-U1 NM30SSHC-AD-U2	0.30 mm 0.012"	M5 10-24 12-24
NM40SSHC-AD-M NM40SSHC-AD-U1 NM40SSHC-AD-U2	0.40 mm 0.016"	M5 10-24 12-24
NM50SSHC-AD-M NM50SSHC-AD-U1 NM50SSHC-AD-U2	0.50 mm 0.020"	M5 10-24 12-24
NM60SSHC-AD-M NM60SSHC-AD-U1 NM60SSHC-AD-U2	0.60 mm 0.024"	M5 10-24 12-24
NM70SSHC-AD-M NM70SSHC-AD-U1 NM70SSHC-AD-U2	0.70 mm 0.028"	M5 10-24 12-24

High precision knurled all 316L SS cleanable nozzle with anti-drip adaptor and viton O ring

CODE	ORIFICE DIAMETER	THREAD SIZE
NM10SS316C-AD NM10SS316C-AD NM10SS316C-AD	0.10mm 0.004"	M5 10-24 12-24
NM15SS316C-AD NM15SS316C-AD NM15SS316C-AD	0.15 mm 0.006"	M5 10-24 12-24
NM20SS316C-AD NM20SS316C-AD NM20SS316C-AD	0.20 mm 0.008"	M5 10-24 12-24
NM30SS316C-AD NM30SS316C-AD NM30SS316C-AD	0.30 mm 0.012"	M5 10-24 12-24
NM40SS316C-AD NM40SS316C-AD NM40SS316C-AD	0.40 mm 0.016"	M5 10-24 12-24
NM50SS316C-AD NM50SS316C-AD NM50SS316C-AD	0.50 mm 0.020"	M5 10-24 12-24
NM60SS316C-AD NM60SS316C-AD NM60SS316C-AD	0.60 mm 0.024"	M5 10-24 12-24
NM70SS316C-AD NM70SS316C-AD NM70SS316C-AD	0.70 mm 0.028"	M5 10-24 12-24

High Performance HEX C Series SS 303 cleanable Nozzles with anti drip adaptor. Orifice part is ceramic

CODE	ORIFICE DIAMETER	THREAD SIZE
NMCERAMIC-10-AD NMCERAMIC-10-AD NMCERAMIC-10-AD	0.10mm 0.004"	M5 10-24 12-24
NMCERAMIC-15-AD NMCERAMIC-15-AD NMCERAMIC-15-AD	0.15 mm 0.006"	M5 10-24 12-24
NMCERAMIC-20-AD NMCERAMIC-20-AD NMCERAMIC-20-AD	0.20 mm 0.008"	M5 10-24 12-24
NMCERAMIC-30-AD NMCERAMIC-30-AD NMCERAMIC-30-AD	0.30 mm 0.012"	M5 10-24 12-24
NMCERAMIC-40-AD NMCERAMIC-40-AD NMCERAMIC-40-AD	0.40 mm 0.016"	M5 10-24 12-24
NMCERAMIC-50-AD NMCERAMIC-50-AD NMCERAMIC-50-AD	0.50 mm 0.020"	M5 10-24 12-24

High precision 1/8" NPT CF nozzle series cleanable with anti drip adapter and filter (SS 303)

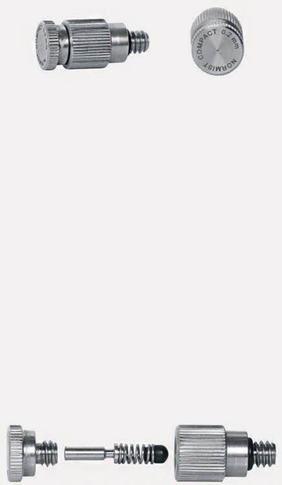
CODE	ORIFICE DIAMETER	THREAD SIZE
NM10SS 1-8F	0.10mm 0.004"	1/8" NPT
NM15SS 1-8F	0.15 mm 0.006"	1/8" NPT
NM20SS 1-8F	0.20 mm 0.008"	1/8" NPT
NM30SS 1-8F	0.30 mm 0.012"	1/8" NPT
NM40SS 1-8F	0.40 mm 0.016"	1/8" NPT
NM50SS 1-8F	0.50 mm 0.020"	1/8" NPT
NM60SS 1-8F	0.60 mm 0.024"	1/8" NPT
NM70SS 1-8F	0.70 mm 0.028"	1/8" NPT

High precision 9/16" NPT CF nozzle series cleanable with anti-drip adaptor and filter (SS 303)

CODE	ORIFICE DIAMETER	THREAD SIZE
NM10SS 9-16F	0.10mm 0.004"	9/16"
NM15SS 9-16F	0.15 mm 0.006"	9/16"
NM20SS 9-16F	0.20 mm 0.008"	9/16"
NM30SS 9-16F	0.30 mm 0.012"	9/16"
NM40SS 9-16F	0.40 mm 0.016"	9/16"
NM50SS 9-16F	0.50 mm 0.020"	9/16"

Compact series SS 303 cleanable nozzle with anti-drip adaptor

CODE	ORIFICE DIAMETER	THREAD SIZE
NMC20SS303C-AD NMC20SS303C-AD NMC20SS303C-AD	0.20 mm 0.008"	M5 10-24 12-24
NMC30SS303C-AD NMC30SS303C-AD NMC30SS303C-AD	0.30 mm 0.012"	M5 10-24 12-24
NMC40SS303C-AD NMC40SS303C-AD NMC40SS303C-AD	0.40 mm 0.016"	M5 10-24 12-24
NMC50SS303C-AD NMC50SS303C-AD NMC50SS303C-AD	0.50 mm 0.020"	M5 10-24 12-24



Cluster head nozzle adaptor with filter. Nickel plated (Without nozzle)

CODE	DESCRIPTION	THREAD SIZE
0301195-3	Cluster for 3 nozzles	3xM5 3x10-24 3x12-24
0301195-4	Cluster for 4 nozzles	4xM5 4x10-24 4x12-24
0301195-5	Cluster for 5 nozzles	5xM5 5x10-24 5x12-24

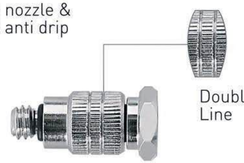
Anti drip adapter threads

CODE	DESCRIPTION	THREAD SIZE
0301041	Brass anti drip adaptor	M5 10-24 12-24
0301062	303 SS anti drip adaptor	M5 10-24 12-24
0301062-316L	316L SS anti drip adaptor	M5 10-24 12-24

UNC 10-24 nozzle & UNC 10-24 anti drip adapter

M-5 nozzle & M-5 anti drip adapter

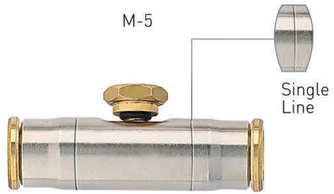
UNC 12-24 nozzle & UNC 12-24 anti drip adapter



How to distinquish threads

UNC 10-24

M-5

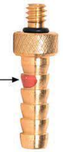


UNC 12-24

Discharge nozzles (brass)

CODE	COLOUR	ORIFICE SIZE	PRESSURE					
			30 bar	40 bar	50 bar	60 bar	70 bar	80 bar
			435 psi	580 psi	725 psi	870 psi	1015 psi	1160 psi
0301032	Red/White	0,50mm	0,7 L	0,8 L	0,9 L	1,0 L	1,1 L	1,2 L
0301031	Black/White	0,70mm	1,6 L	1,8 L	2,0 L	2,2 L	2,4 L	2,6 L
0301016	White	1,00mm	2,5 L	2,8 L	3,2 L	3,5 L	3,7 L	4.0 L
0301017	Black	1,10mm	3,7 L	4,3 L	4,8 L	5,3 L	5,7 L	6,1 L
0301018	Red	1,20mm	5,2 L	5,9 L	6,6 L	7,3 L	7,8 L	8,4 L
0301019	Yellow	1,30mm	5,8 L	6,8 L	7,5 L	8,3 L	9,0 L	9,5 L
0301020	Green	1,40mm	6,8 L	7,8 L	8,7 L	9,6 L	10,3 L	11,1 L
0301021	Pink	1,50mm	8,0 L	9,3 L	10,4 L	11,3 L	12,3 L	13,2 L
0301022	Orange	1,60mm	8,6 L	10,0 L	11,2 L	12,2 L	13,2 L	14,1 L
0301023	Blue	1,70mm	9,8 L	11,3 L	12,7 L	14,0 L	15,1 L	16,1 L

COLOUR CODE



Nozzle Plug

CODE	DESCRIPTION	THREAD SIZE
301084	Nozzle plug brass	UNC 10-24
0301084-1	Nozzle plug brass	UNC 12-24
0301084-2	Nozzle plug brass	M5
0101020	303 SS nozzle plug	UNC 10-24
0101020-1	303 SS nozzle plug	UNC 12-24
0101020-2	303 SS nozzle plug	M5

Drain Valve

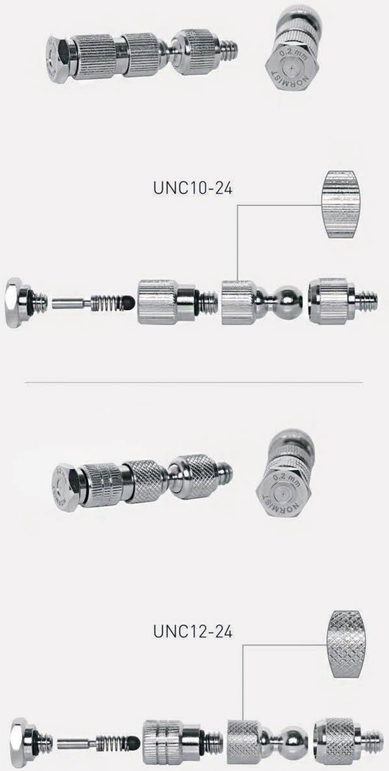
CODE	DESCRIPTION	THREAD SIZE
0101004	Auto drain valve	UNC 10-24
0101004-1		UNC 12-24
0101019	303 SS auto drain valve	UNC 10-24
0101019-1		UNC 12-24

1/8" Orientable nozzle head with filter

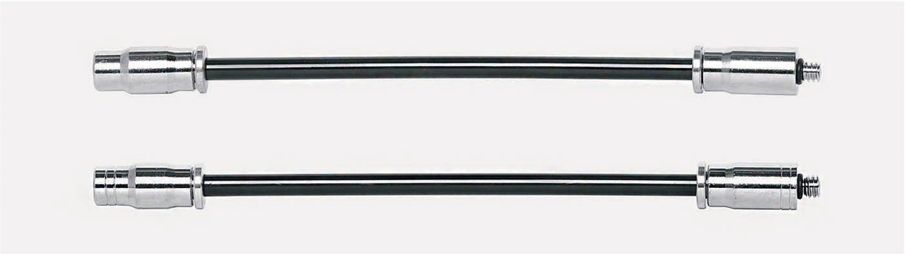
CODE	THREAD SIZE
NM10SS-8F-SW	1/8"
NM15SS-8F-SW	1/8"
NM20SS-8F-SW	1/8"
NM30SS-8F-SW	1/8"
NM40SS-8F-SW	1/8"
NM50SS-8F-SW	1/8"
NM60SS-8F-SW	1/8"
NM70SS-8F-SW	1/8"

Swivel adaptor for nozzle, nickel plated brass

CODE	THREAD SIZE
0301188-M5	M-5
0301188-U1	UNC10-24
0301188-U2	UNC12-24



Flexible nozzle extention



CODE	DESCRIPTION	THREAD SIZE
0301035	Flexible nozzle extention	UNC 10-24
0301035-U2	Flexible nozzle extention	UNC 12-24

Brass adaptor for 1/8" nozzle to nozzle fitting

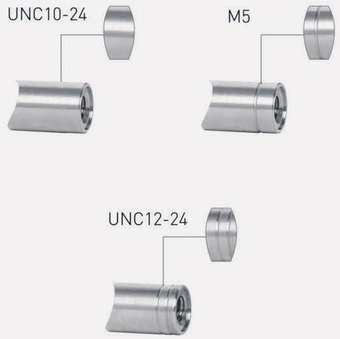
CODE	THREAD SIZE
0201054-U1	UNC10-24
0201054-M5	Metric 5

Drain Set

CODE	DESCRIPTION
0301037	Drain Set 0101004 + 0301015

50 mm Nozzle extention

NOZZLE CODE	DESCRIPTION	THREAD SIZE
0301034	Nozzle 50 mm extention	UNC 10-24
0301034-U2	Nozzle 50 mm extention	UNC 12-24



Spigots

CODE	THREAD SIZE
0301161	M5
0301162	UNC10-24
0301163	UNC12-24

Spigot for 1/8" nozzle. Suitable for 10&12 mm SS tubing

CODE	THREAD SIZE
0301160	UNC10-24

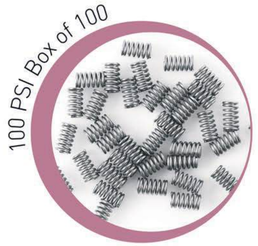
Nozzle O Ring

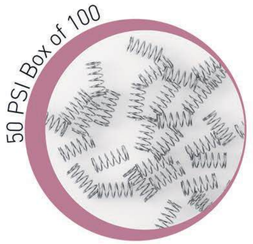
CODE	DESCRIPTION
0201014	Black O ring for nozzle Box of 100
0201014V	Brown O ring for nozzle VITON Box of 100

Adaptor Balls

CODE	DESCRIPTION
0101007	Black ball for anti drip adaptor Box of 100
0101007V	Brown ball for anti drip adaptor VITON Box of 100

Adaptor Springs





CODE	DESCRIPTION
0206001	Spring for anti drip adaptor 100 PSI Box of 100
0206001L	Spring for anti drip adaptor 50 PSI Box of 100

Nozzle Filters

Washer For Nozzles

CODE	DESCRIPTION
0101022	Spare filter for 1/8" nozzles. Box of 100
0301166	Delrin washer for M5 Hex nozzles

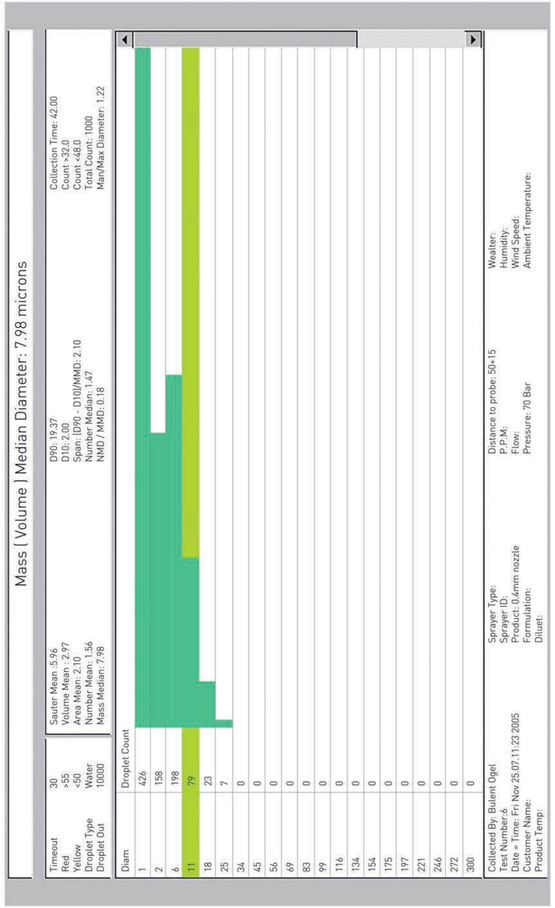
Normist high performance misting nozzles hex series

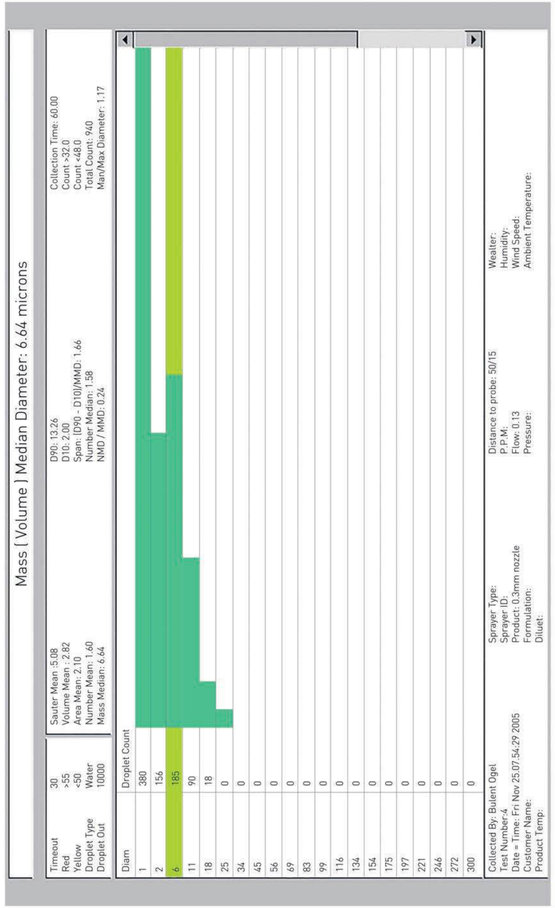
CODE	ORIFICE ⌀	SPRAY ANGLE*	MEDIAN DROPLET SIZE*	THREAD SIZE	O RING COLOR	FLOW LPM & GPM (1 GPM = 3.785 LPM)											LPM / GPM
						30 BAR 435 PSI	40 BAR 580 PSI	50 BAR 725 PSI	60 BAR 970 PSI	70 BAR 1000 PSI	80 BAR 1160 PSI	90 BAR 1305 PSI	100 BAR 1450 PSI	110 BAR 1595 PSI	120 BAR 1740 PSI	130 BAR 1885 PSI
NM10BH-M	0.10mm	45°	3µ	M5	Black		.017	.022	.027	.030	.039	.042	.044	.045	.047	.049
NM10BH-U1	0.004"			UNC 10-24	"		.005	.006	.007	.008	.010	.011	.012	.012	.012	.013
NM10BH-U2				UNC 10-24	"											
NM15BH-M	0.15mm	55°	5µ	M5	Black	.024	.038	.043	.047	.050	.058	.064	.068	.070	.072	.075
NM15BH-U1	0.006"			UNC 10-24	"	.006	.010	.011	.012	.013	.015	.017	.018	.018	.019	.020
NM15BH-U2				UNC 10-24	"											
NM20BH-M	0.20mm	70°	6µ	M5	Black	.041	.057	.063	.071	.075	.081	.085	.091	.093	.097	.102
NM20BH-U1	0.008"			UNC 10-24	"	.011	.015	.017	.019	.020	.021	.022	.024	.025	.025	.027
NM20BH-U2				UNC 10-24	"											
NM30BH-M	0.30mm	85°	8µ	M5	Black	.070	.082	.091	.102	.105	.116	.122	.132	.140	.146	.150
NM30BH-U1	0.012"			UNC 10-24	"	.018	.022	.024	.027	.028	.031	.032	.035	.035	.038	.040
NM30BH-U2				UNC 10-24	"											
NM40BH-M	0.40mm	90°	11µ	M5	Black	.094	.116	.128	.142	.150	.159	.169	.185	.190	.197	.209
NM40BH-U1	0.016"			UNC 10-24	"	.025	.031	.034	.037	.0408	.042	.045	.050	.050	.052	.055
NM40BH-U2				UNC 10-24	"											
NM50BH-M	0.50mm	95°	13µ	M5	Black	.117	.136	.160	.180	.190	.195	.209	.228	.235	.240	.250
NM50BH-U1	0.020"			UNC 10-24	"	.031	.036	.042	.047	.050	.052	.055	.060	.062	.064	.066
NM50BH-U2				UNC 10-24	"											
NM60BH-M	0.60mm	95°	17µ	M5	Black	.135	.162	.180	.196	.210	.228	.241	.255	.275	.285	.300
NM60BH-U1	0.024"			UNC 10-24	"	.036	.043	.047	.052	.056	.060	.064	.067	.072	.075	.079
NM60BH-U2				UNC 10-24	"											
NM70BH-M	0.70mm	100°	20µ	M5	Black	.161	.184	.209	.228	.240	.256	.274	.294	.305	.315	.330
NM70BH-U1	0.028"			UNC 10-24	"	.042	.049	.055	.060	.064	.068	.072	.077	.080	.083	.087
NM70BH-U2				UNC 10-24	"											

Orifice material is stainless steel 316 quality
Orifice size is laser marked on the nozzle body

*Measured at 70 Bar / 1000 PSI

Droplet test reports





Flow rate diagrams at 70 Bar /1000 PSI

0.10mm
0.030 Lt./min

0.15mm
0.050 Lt./min

0.20mm
0.075 Lt./min

0.30mm
0.105 Lt./min.

0.40mm
0.150 Lt./min

0.50mm
0.190 Lt./min

0.60mm
0.210 Lt./min.

0.70mm
0.240 Lt./min

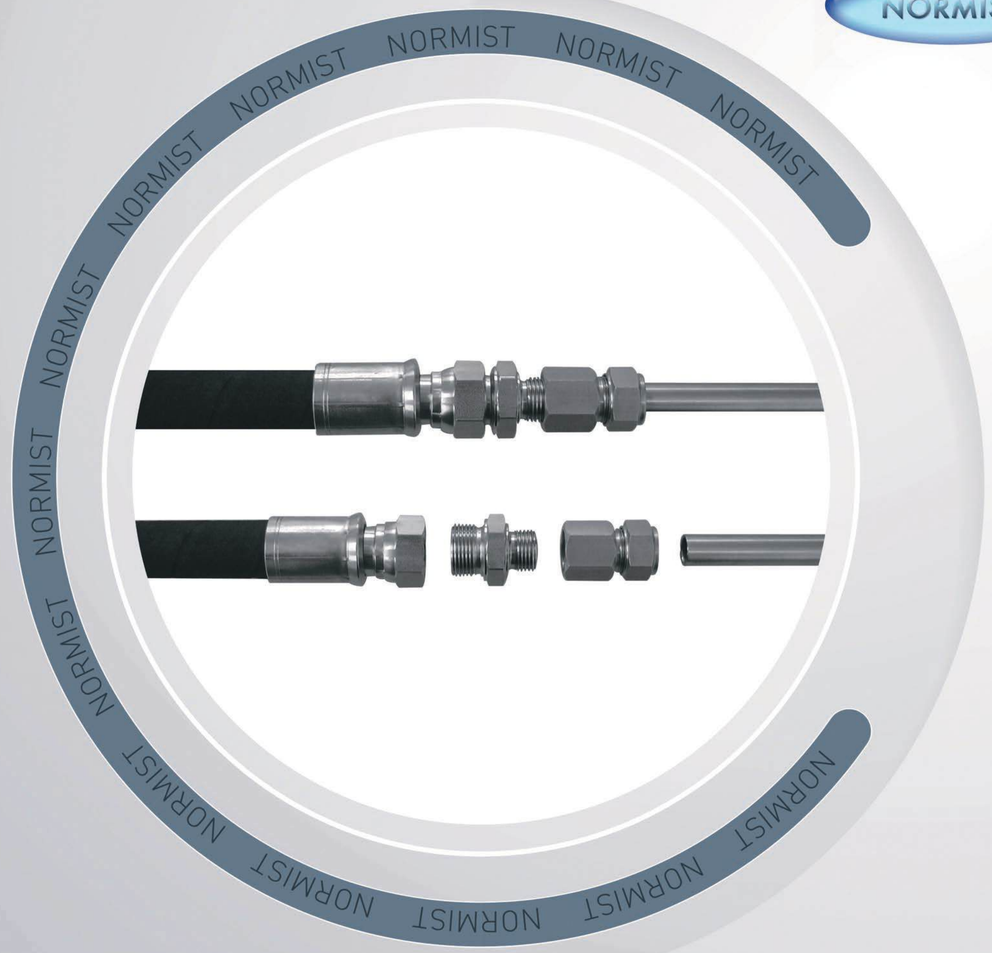
0.40mm HF
0.315 Lt./min.

0.50mm HF
0.440 Lt./min

0.60mm HF
0.500 Lt./min.

0.70mm HF
0.590 Lt./min

NORMIST®



HYDRAULIC HOSES

HYDRAULIC HOSES

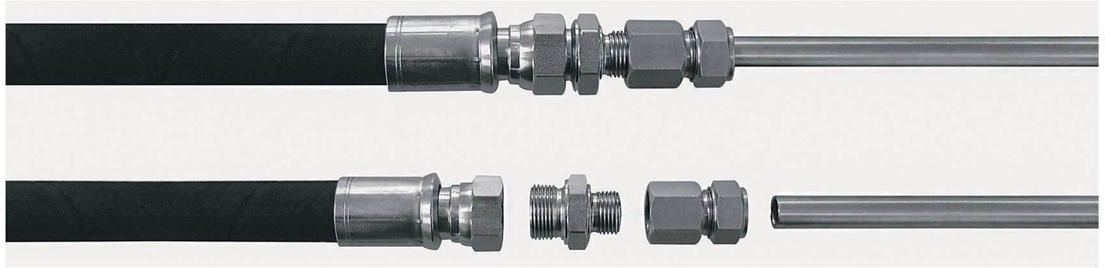
These hoses are the most economical way to transfer the high pressure water from pump room to different sections of the greenhouse.

SPECIFICATION OF HYDRAULIC HOSES

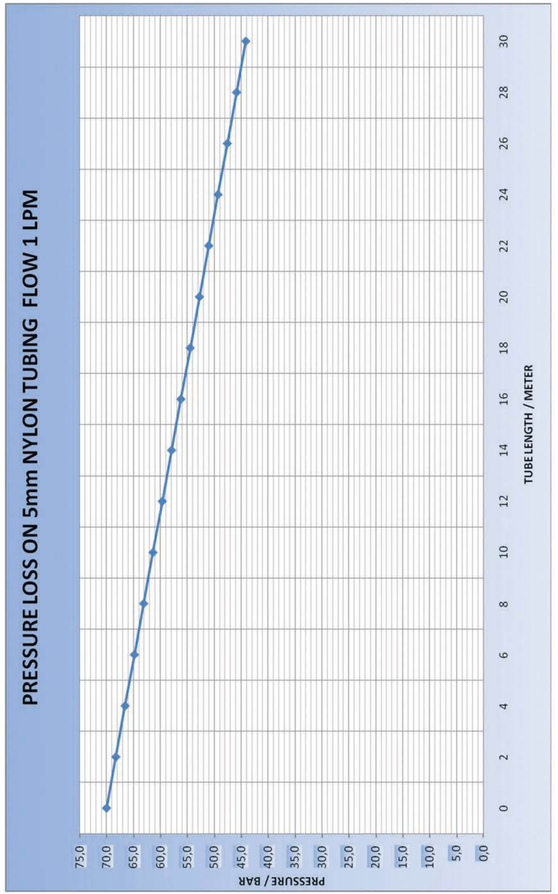
Tube: Mineral, vegetable and hydraulic oil resistant special synthetic rubber.
Reinforcement: High tensile steel wire braid.
Cover: oil, abrasion and weather resistant special synthetic rubber.

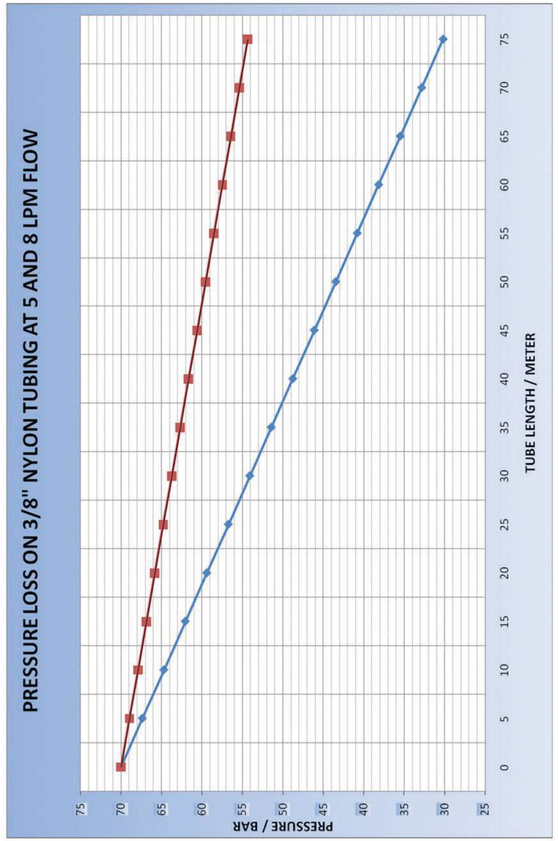
SIZE	INT. Ø mm	EXT. Ø mm	WORKING PRESSURE BAR	BURST PRESSURE BAR	MINIMUM BENDING RADIUS mm
5/16"	8,0	17,1	215	970	115
3/8"	9,5	19,4	180	820	130
1/2"	12,7	22,6	160	700	180
5/8"	16,0	25,8	130	600	200
3/4"	19,0	29,8	105	500	240
1"	25,4	37,6	88	385	300
1"1/4 Special Grade	31,8	49,8	125	620	420

TYPICAL CONNECTION FROM HOSE TO SS PIPE

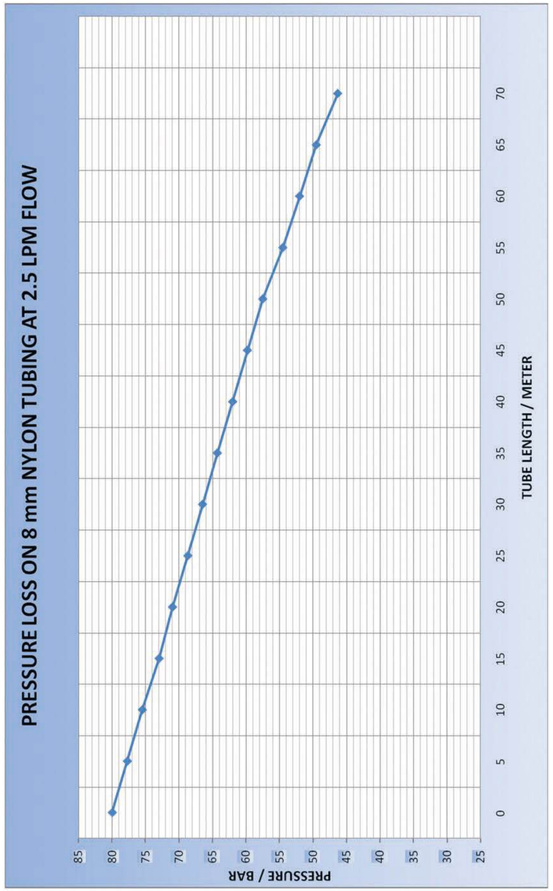


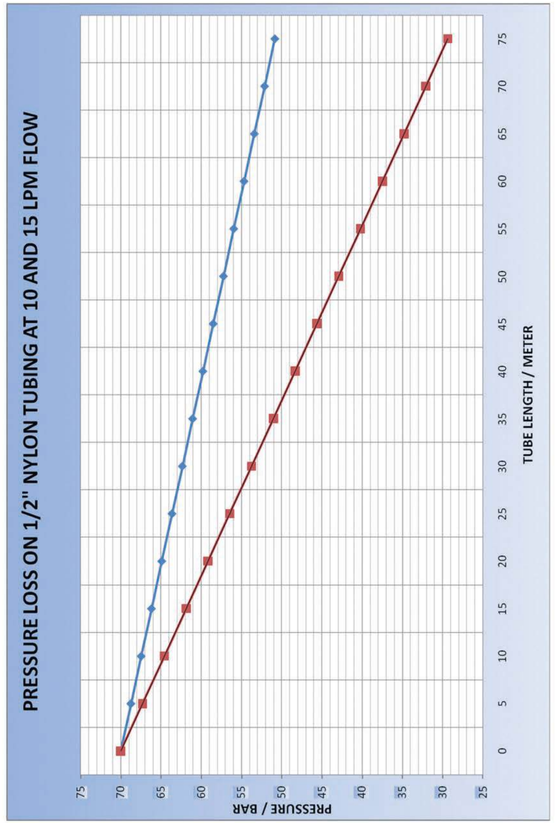
PRESSURE LOSS ON TUBES, PIPES AND HOSES
PRESSURE LOSS ON NYLON TUBES



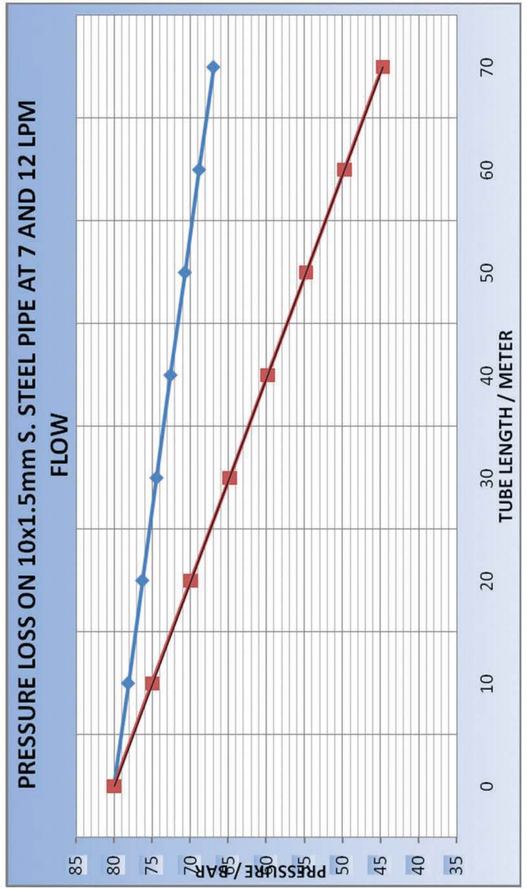


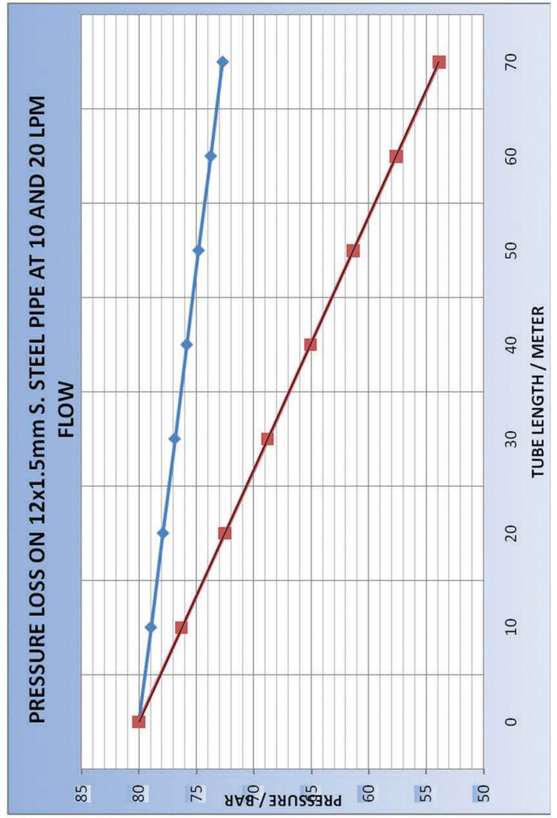
PRESSURE LOSS ON NYLON PIPES



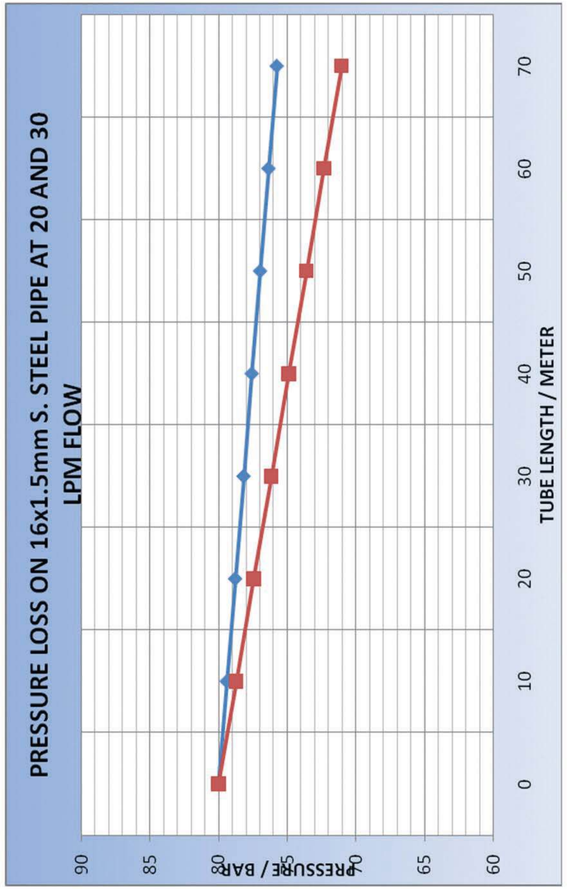


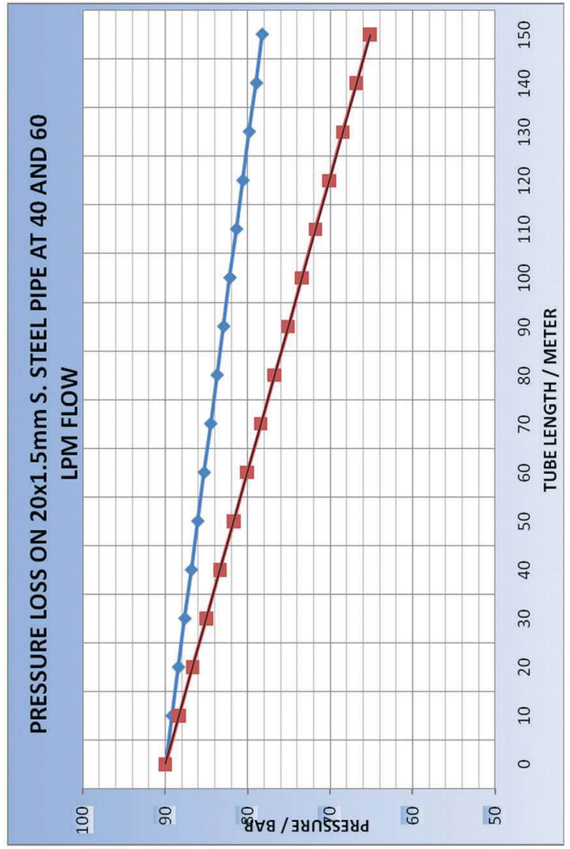
PRESSURE LOSS ON S. STEEL PIPES





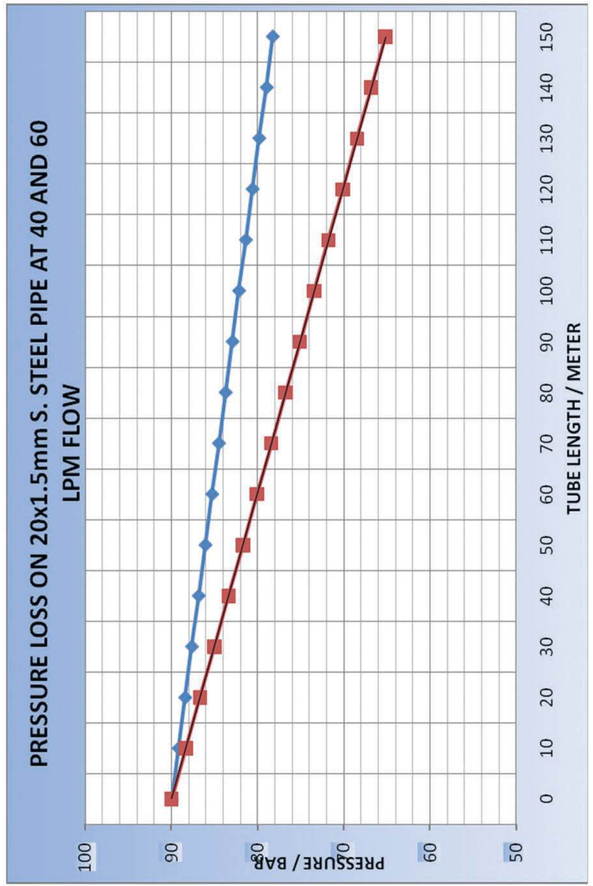
PRESSURE LOSS ON S. STEEL PIPES

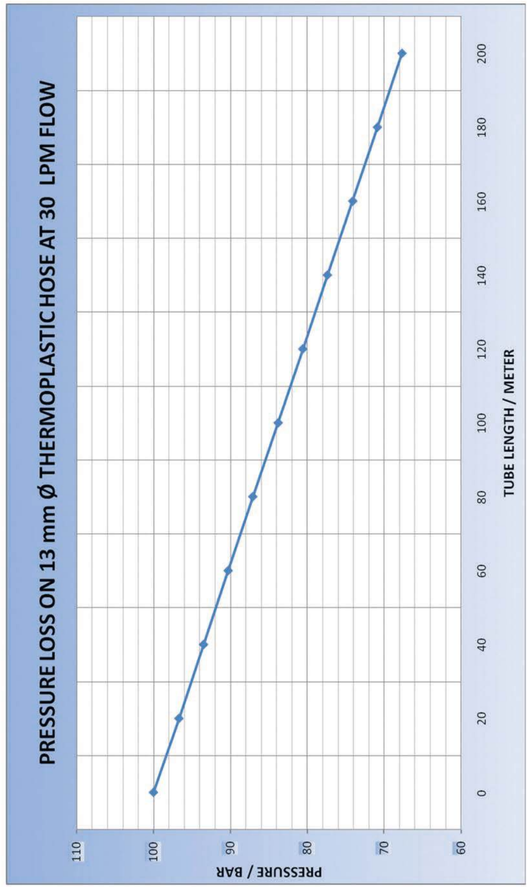




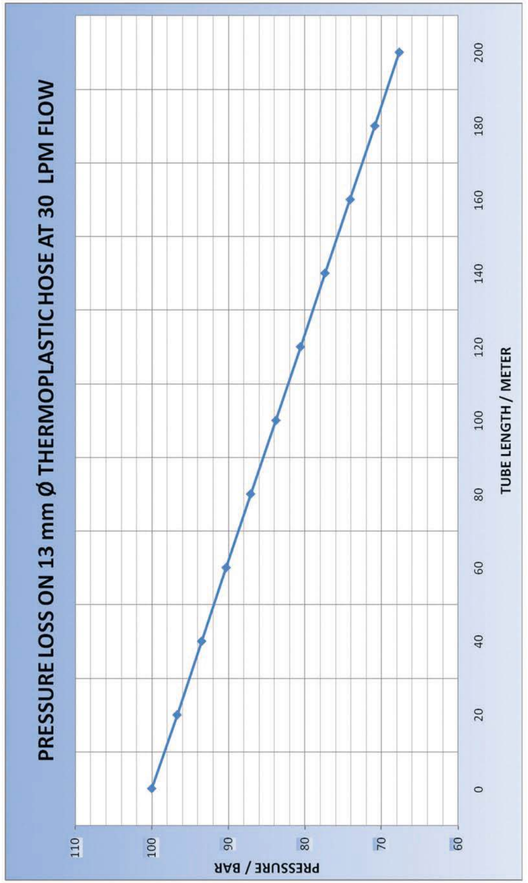
PRESSURE LOSS ON HYDRAULIC HOSES

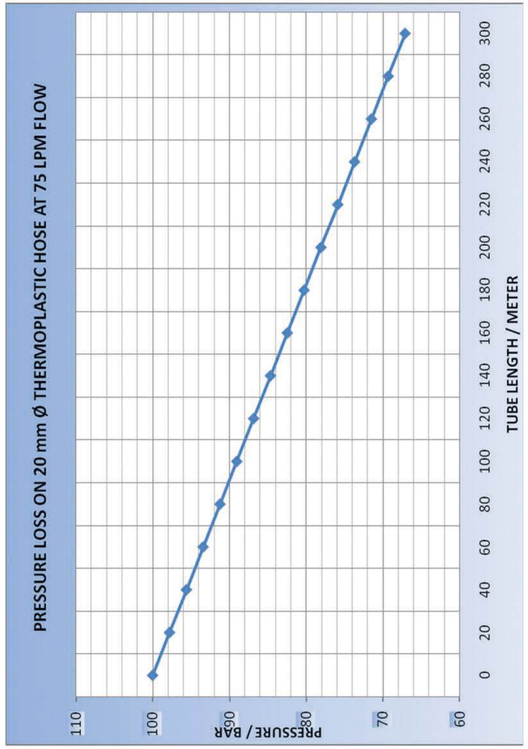
9.3 mm = 3/8" 13 mm = 1/2"



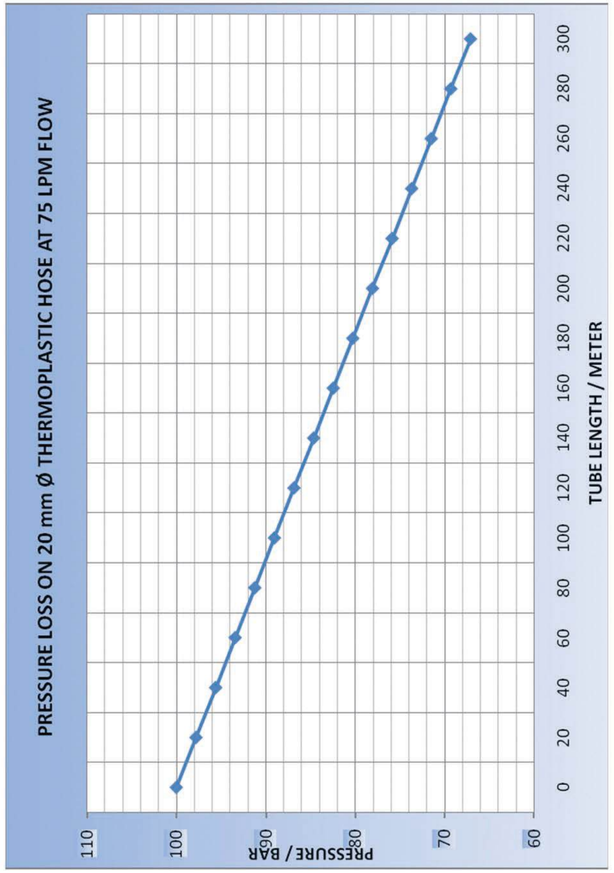


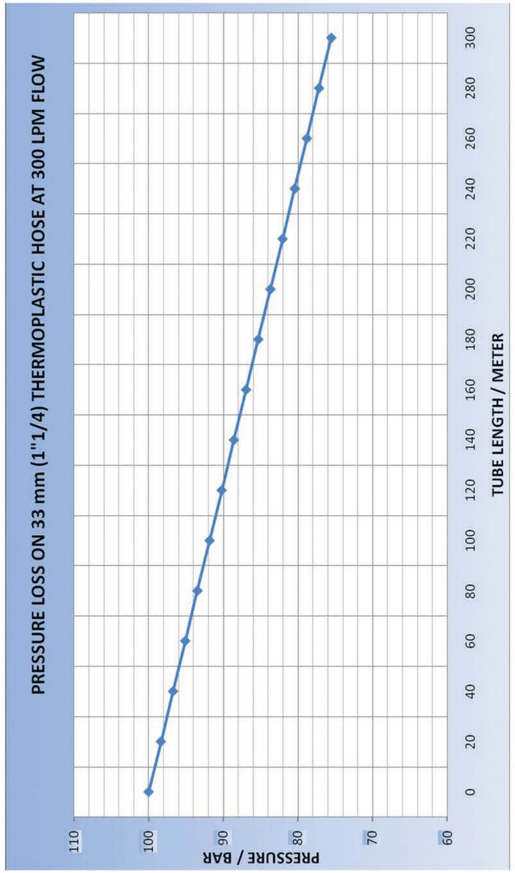
PRESSURE LOSS ON HYDRAULIC HOSES
16.5 mm = 5/8" 20 mm = 3/4"





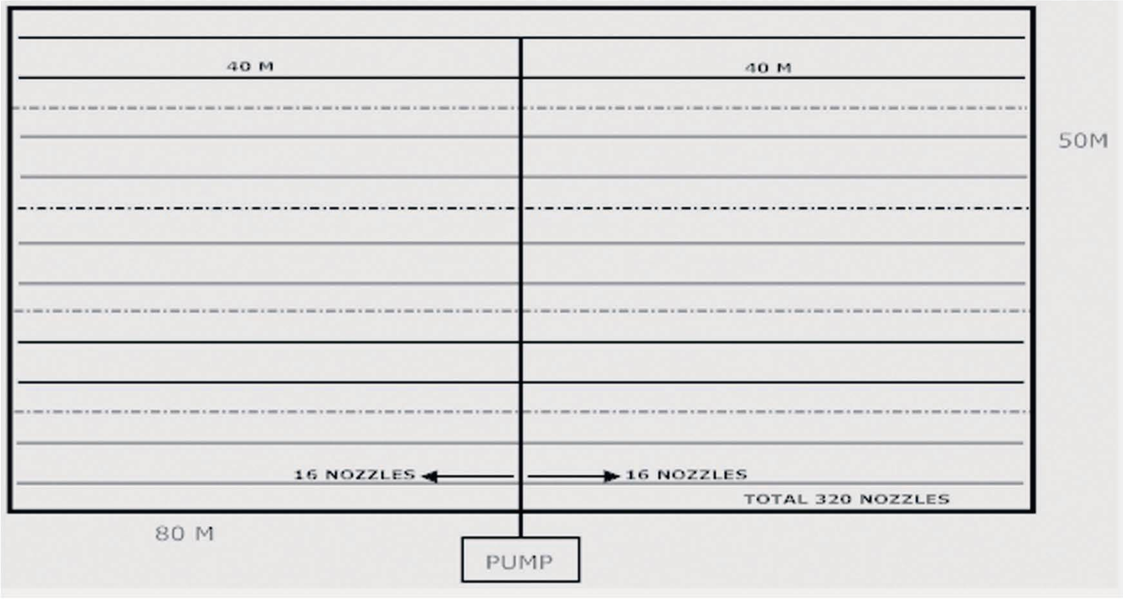
PRESSURE LOSS ON HYDRAULIC HOSES
25 mm = 1" 33 mm= 1"¼



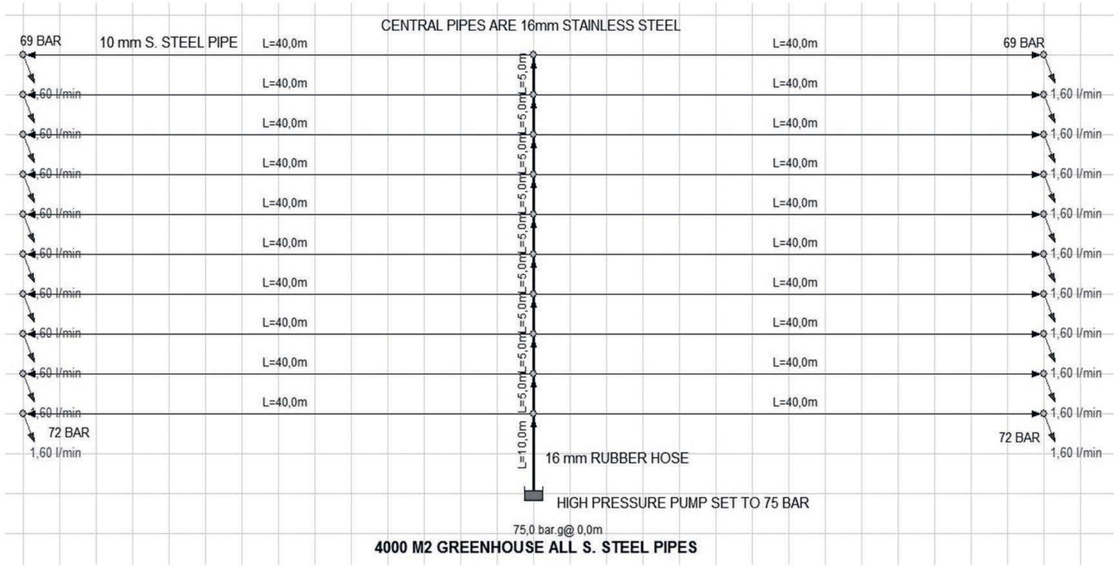


4000 M² GREENHOUSE EXAMPLE
ALL STAINLESS STEEL TUBE. CAPACITY 0.480 L/M²/H

AR36 100 Bar 36 lpm high pressure pump unit.
Control Box with electronic ON/OFF Timer, humidistat, auto drain system, and pump protection.
Misting capacity 0.48 liters/m²/hour.

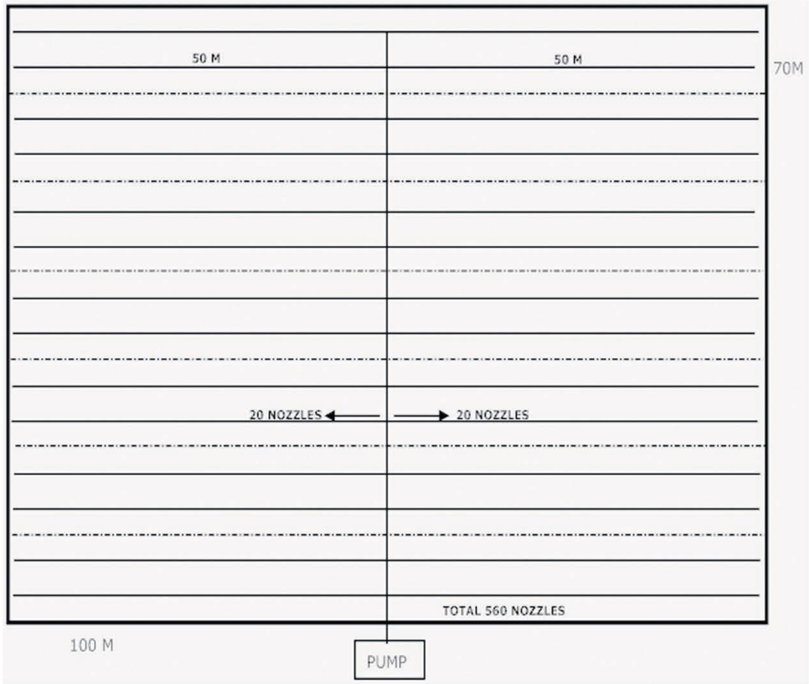


320 each 0.3 mm orifice, 0.1 lpm flow fine droplet hex nozzles.
Fittings for 10 mm steel tube are quick insert (slip-lock). Compression fitting for 16 mm S. Steel pipes.
Primary lines 16x1.5 mm Stainless Steel, secondary lines 10 mm stainless steel.
20" triple filter group. 5-10-25 microns.

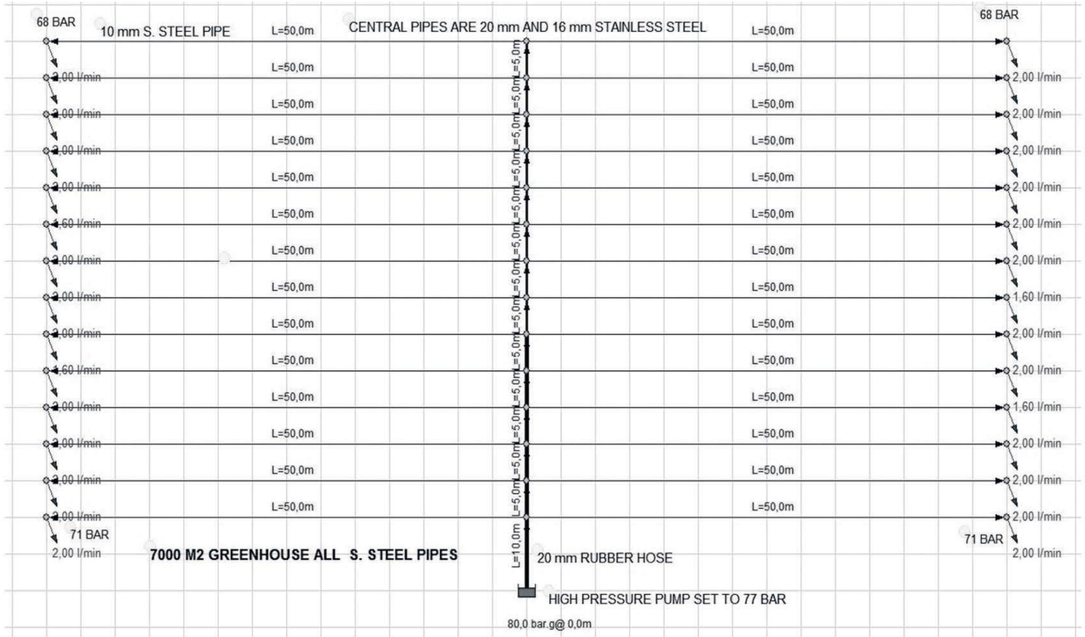


7000 M² GREENHOUSE EXAMPLE
ALL STAINLESS STEEL TUBE. CAPACITY .480 L/M²/H

2XAR36 100 Bar 72 lpm high pressure pump unit.
Control Box with electronic ON/OFF Timer, humidistat, auto drain system, and pump protection.
Misting capacity 0.48 liters/m²/hour.

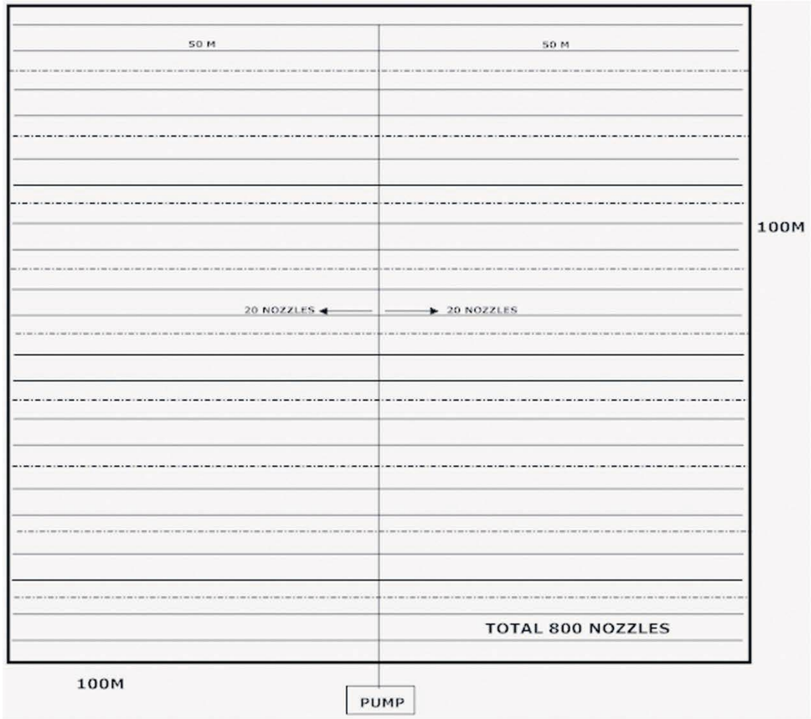


560 each 0.3 mm orifice, 0.1 lpm flow fine droplet hex nozzles.
Fittings for 10 mm SS pipe are quick insert. Compression fittings for S. Steel pipes 16 and 20 mm.
Primary lines 20x1.5 mm and 16x1.5 mm Stainless Steel, secondary lines 10 mm stainless steel.
20" large double filter group. 5-20 and 20 microns cartridges.

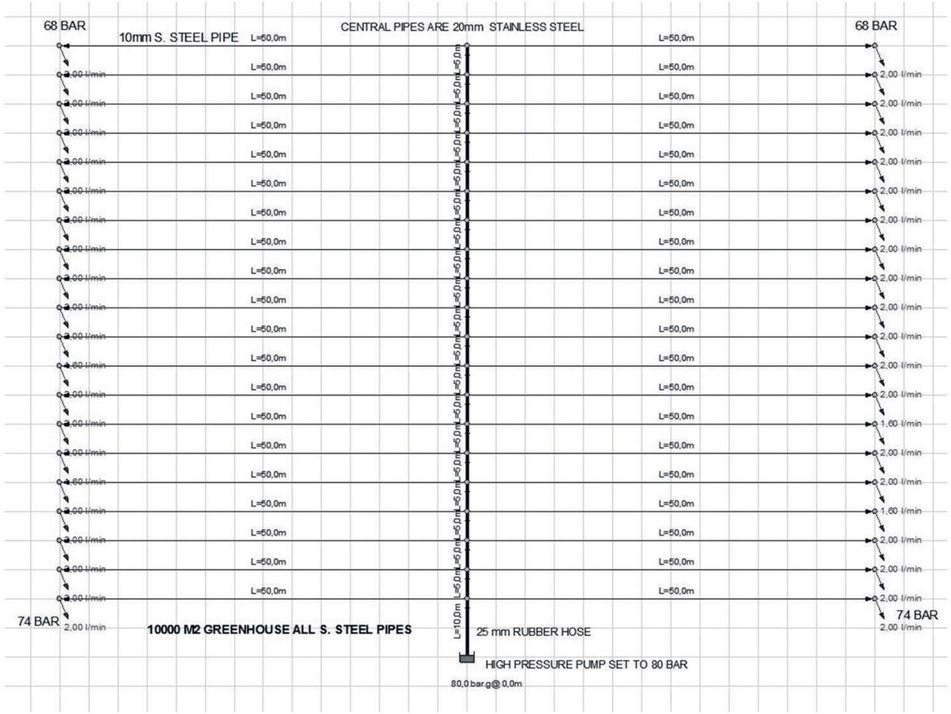


10000 M² GREENHOUSE EXAMPLE
ALL STAINLESS STEEL TUBE. CAPACITY 0.480 L/M²/H

2XAR50 100 Bar, 100 LPM high pressure pump unit.
Control Box with electronic ON/OFF Timer, humidistat, auto drain system, and pump protection.
Misting capacity 0.48 liters/m²/hour.

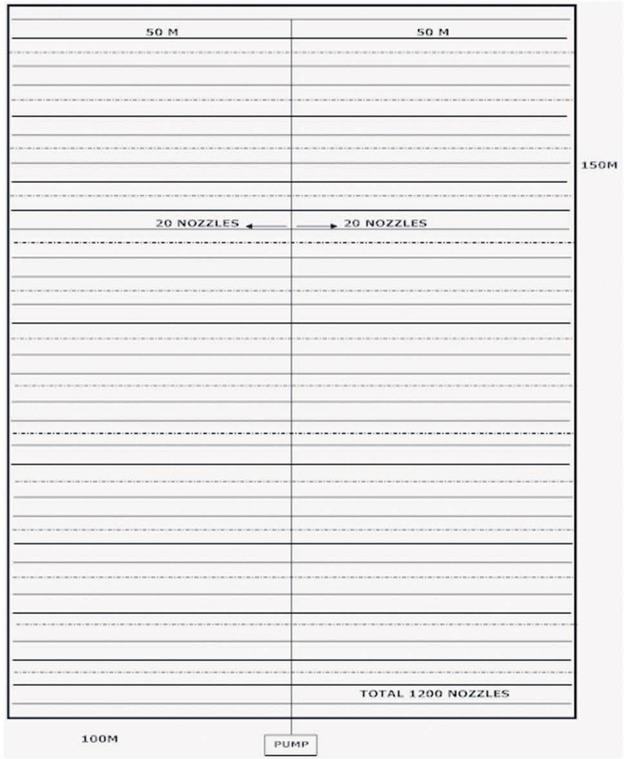


800 each 0.3 mm orifice, 0.1 lpm flow fine droplet hex nozzles.
Fittings for 10mm S. Steel tube are quick insert. Compression fittings for 20 mm S. Steel pipes.
Primary lines 20x1.5 mm Stainless Steel, secondary lines 10mm S. Steel pipe.
20" large double filter X 2 group. 5-20 and 20 microns cartridges.

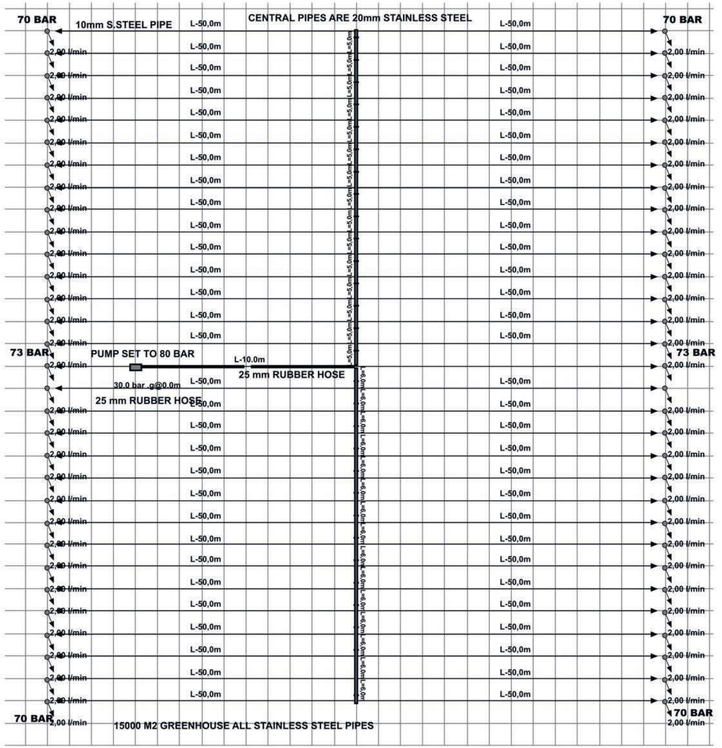


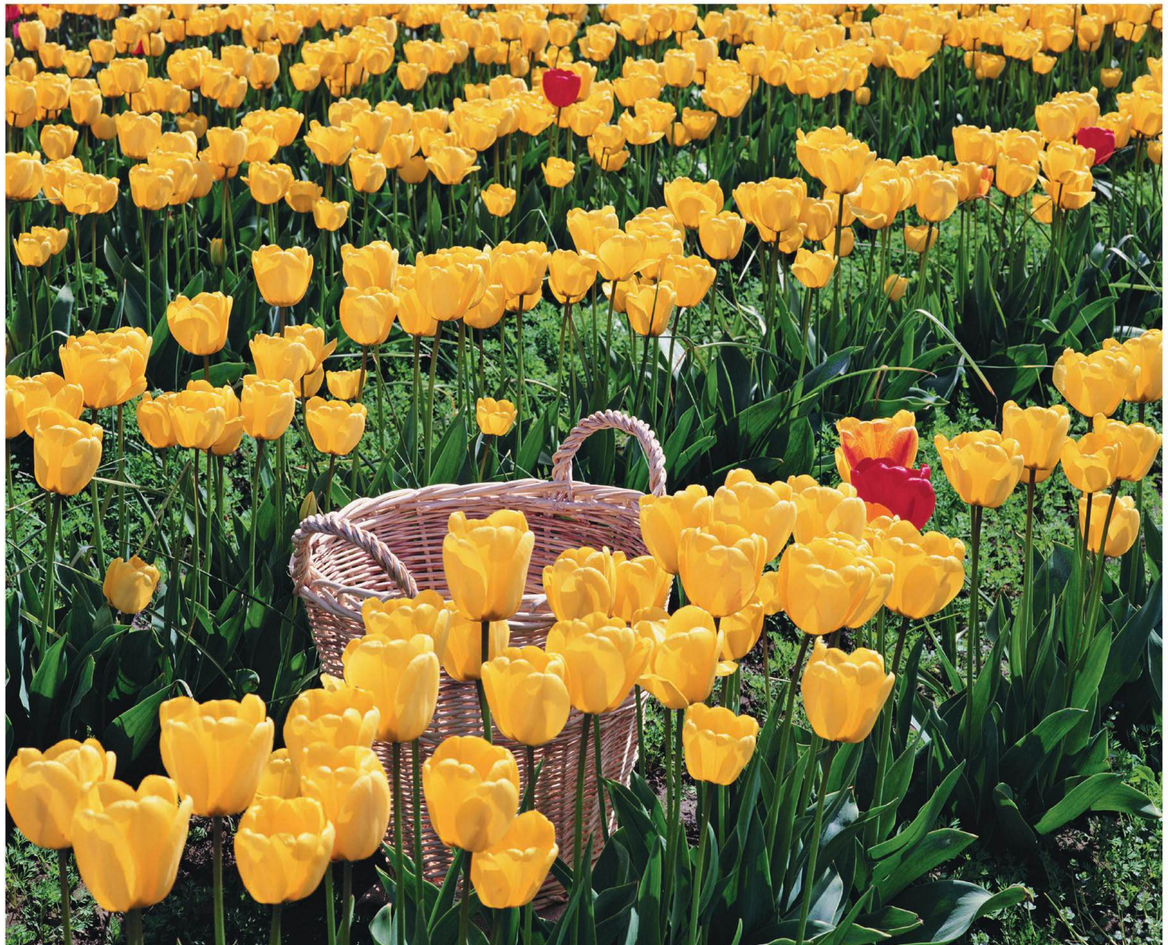
15000 M² GREENHOUSE EXAMPLE
ALL STAINLESS STEEL TUBE. CAPACITY 0.480 L/M²/H

3XAR150 100 Bar, 150 LPM high pressure pump unit.
Control Box with electronic ON/OFF Timer, humidistat, auto drain system, and pump protection.
Misting capacity 0.48 liters/m²/hour.



1200 each 0.3 mm orifice, 0.1 lpm flow fine droplet hex nozzles.
Fittings for 10 mm S. Steel tube are quick insert. Compression fittings for 20 mm S. Steel pipes.
Primary lines 20x1.5 mm Stainless Steel, secondary lines 10 mm Stainless Steel.
20" large double filter X 2 group. 5-20 and 20 microns cartridges.





NORMIST®

FILTERS

10'' Single filter unit

10" housing
1 filter
10 micron
Max flow 25 liters per minute
Max working pressure 6 Bar
Weight 2.2 kg

0305005

10'' Double filter unit

2x10" housings
2 filters
25 micron
Max flow 25 liters per minute
Max working pressure 6 Bar
Weight 4.1 kg

0305006

FILTERS

0305001

10'' Triple filter unit

3x10" housings
3 filters
5, 10, 25 microns
Max flow 25 liters per minute
Max working pressure 6 Bar
Entry and output size is slip-lok 12 mm
Weight 5.7 kg

0305002

20'' Triple filter unit

3x20" housings
3 filters
5, 10, 25 microns
Max flow 45 liters per minute
Max working pressure 6 Bar
Entry and output size is 20 mm
Weight 7.8 kg

20" Jumbo double filter unit

1" Water inlet and outlet
5 and 20 Microns
Max working pressure 6 bar
Max flow 70 liters per minute

0305000

20" Jumbo triple filter unit

1" Water inlet and outlet
5-10 and 20 Microns
Max working pressure 6 bar
Max flow 70 liters per minute

0305001

0305106

20" Jumbo 3x2 filter unit

1¼" Water inlet and outlet
5-10 and 20 Microns
Max working pressure 6 bar
Max flow 140 liters per minute

0305107

20" Jumbo 3x3 filter unit

1¼" Water inlet and outlet
5-10 and 20 Microns
Max working pressure 6 bar
Max flow 210 liters per minute
Total of 9 filter bowl

High pressure in line filters

1/2" Slip-lok connection

3/8" Slip-lok connection

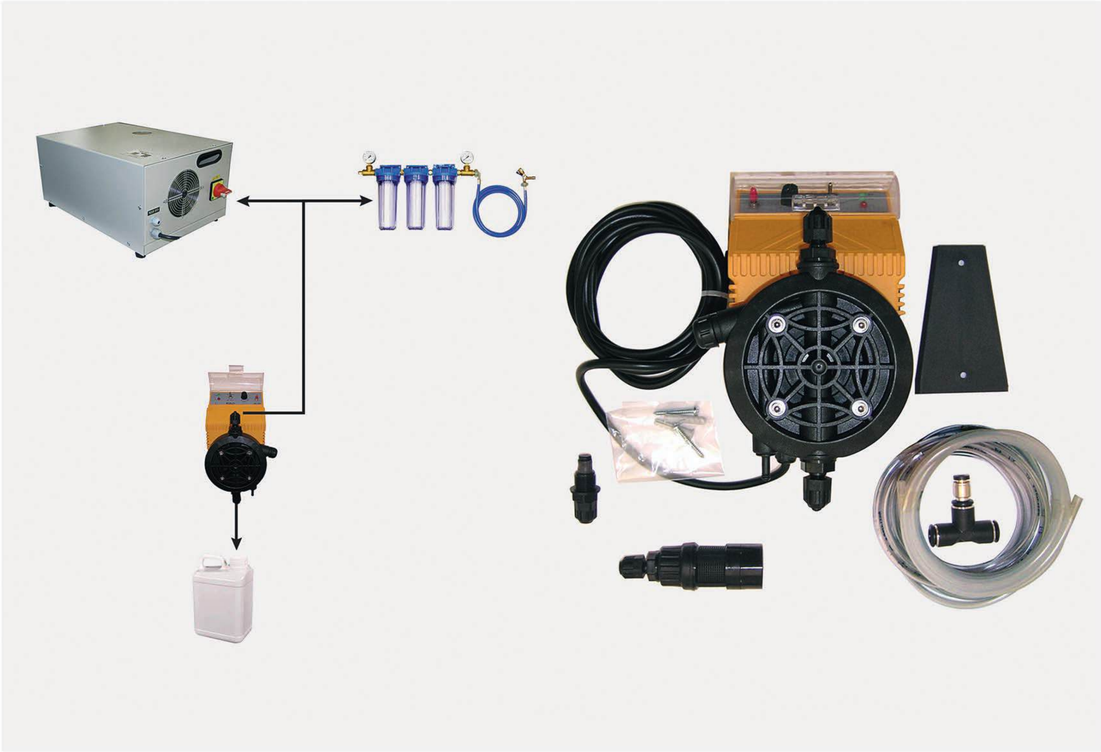
High pressure in line mini filters

3/8" Slip-lok connection

3/16" Slip-lok connection

- A must for all misting installations
- No more clogged nozzles
- Cleanable 100 mesh SS filter element for 15 and 30 LPM
- 15 and 30 LPM filter types.
- All Stainless Steel
- Tested at 250 Bar.

Dosing pump



Parfuming the air is also possible by addition of our dosing pump kit

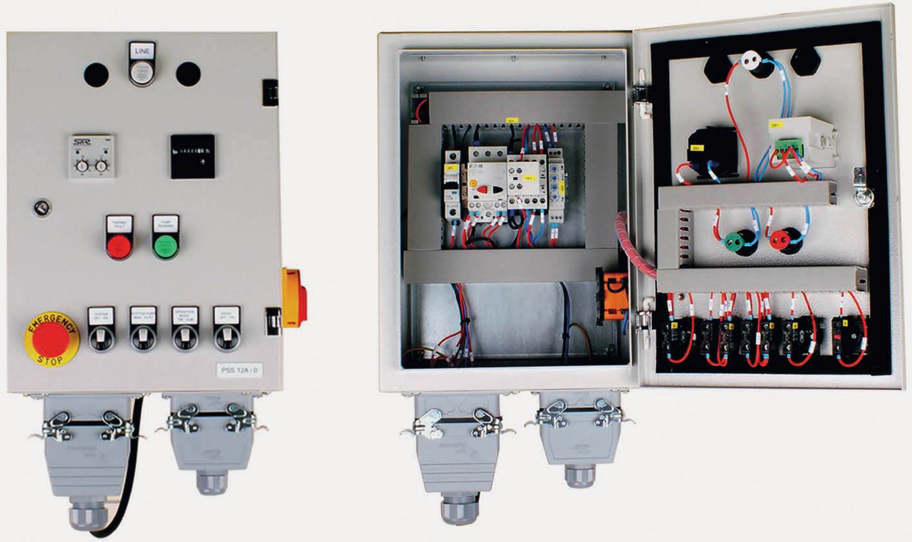
CONTROL BOXES

CONTROL BOXES

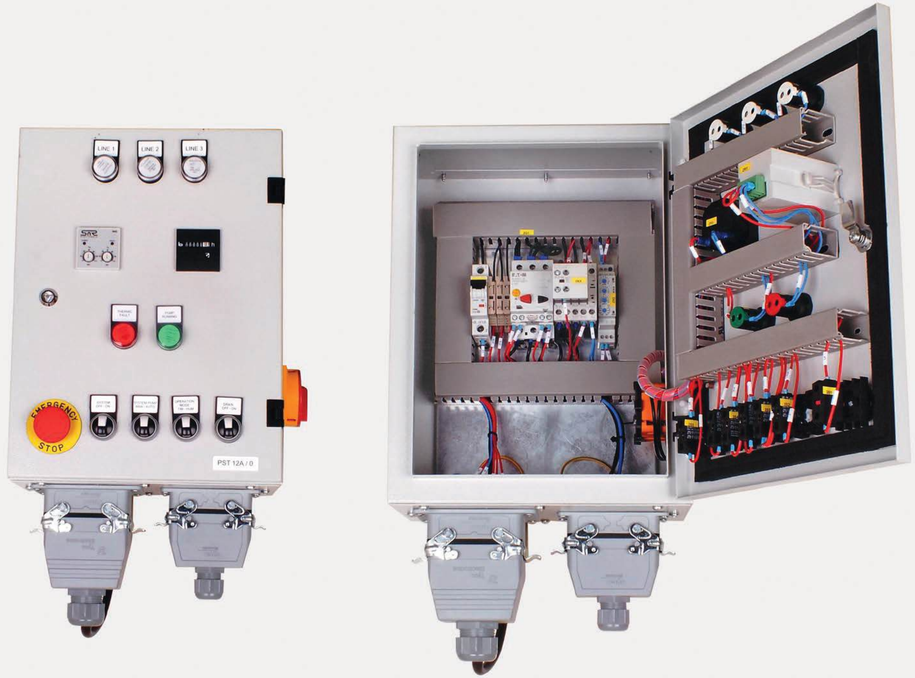
CONTROL BOXES FOR MISTING PUMPS

PART NO	PART NAME	VOLT	POWER	PUMPS	MOTOR PROTECTION	PUMP PROTECTION	GH COMPUTER INPUT	HOUR METER	FLASHER TIMER	STAR TRIANGLE	HUMIDISTAT	AUTO DRAIN	SOFT START	WEIGHT Kg	DIMENSION mm	INVENTER	DIJITAL THERMOSTAT
0204002-12	PSS 12A/O	230	12 AMPER SINGLE PHASE	AR4 / 2SF5 / AR6 / AR7 / AR8 / AR9 2SF10	x	x	x	x	x			x	x	10	400*300*180		
0204004	PST12A/O	400	12 AMPER 3 PHASES	AJ12 / AR14 / AR15 / 3CP16 /AR18 AR21 / 5CP23	x	x	x	x	x			x	x	11	400*300*180		
02040008	PST25A/O	400	25 AMPER 3 PHASES	AT26 / AR30 / AR36 / AR42 / AR50 15CP45 / 15CP59	x	x	x	x	x			x	x	12	400*300*180		
0204029	PST50A/O	400	50 AMPER 3 PHASES	15CP68 /W70 / CK72 / CK95 35C87 / W100	x	x	x	x	x			x	x	19	500*400*300		x
0204003	PST75A/O	400	75 AMPER 3 PHASES	CX120 / AR135 / KF153 / CX155 CK175 / KF170 / 35CP170	x	x	x	x	x			x	x	20	500*400*300		x
CONTROL BOXES FOR MISTING PUMPS																	
0204039	GH-CB 1 X 1 5.5 KW	400	5,5 Kw	1 x 36 LPM PUMP	x	x	x	x	x			x		22	500*400*300	x	x
0204040	GH-CB 1 X 1 7.5 KW	400	7.5 Kw	1 x 42 LPM PUMP	x	x	x	x	x			x		17	500*400*200	x	x
0204041	GH-CB 1 X 1 11 KW	400	11 Kw	1 x 50 LPM PUMP	x	x	x	x	x			x		24	500*400*300	x	x
0204042	GH-CB 1 X 2 5.5 KW	400	11 Kw	2 x 36 LPM PUMP	x	x	x	x	x			x		35	800*600*300	x	x
0204043	GH-CB 1 X 2 7.5 KW	400	15 Kw	2 x 42 LPM PUMP	x	x	x	x	x			x		32	600*600*300	x	x
0204044	GH-CB 1 X 2 11 KW	400	22 Kw	2 x 50 LPM PUMP	x	x	x	x	x			x		42	800*600*300	x	x
0204045	GH-CB 1 X 3 5.5 KW	400	15 Kw	3 x 36 LPM PUMP	x	x	x	x	x			x		35	800*600*300	x	x
0204046	GH-CB 1 X 3 7.5 KW	400	22 Kw	3 x 42 LPM PUMP	x	x	x	x	x			x		37	600*600*300	x	x
0204047	GH-CB 1 X 3 11 KW	400	37 Kw	3 x 50 LPM PUMP	x	x	x	x	x			x		100	1000*1000*400	x	x

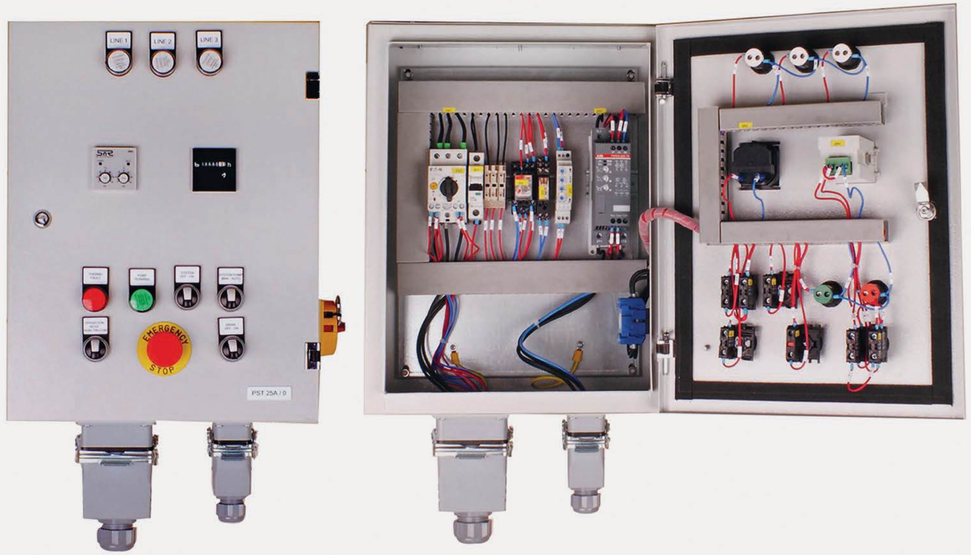
PSS 12A-0



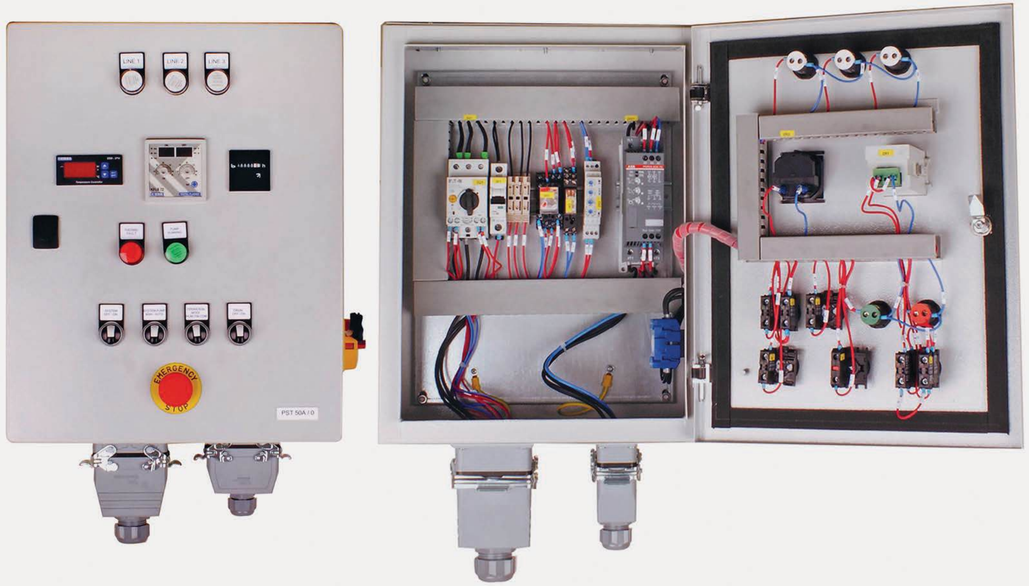
PST 12A-0



PST 25A-0

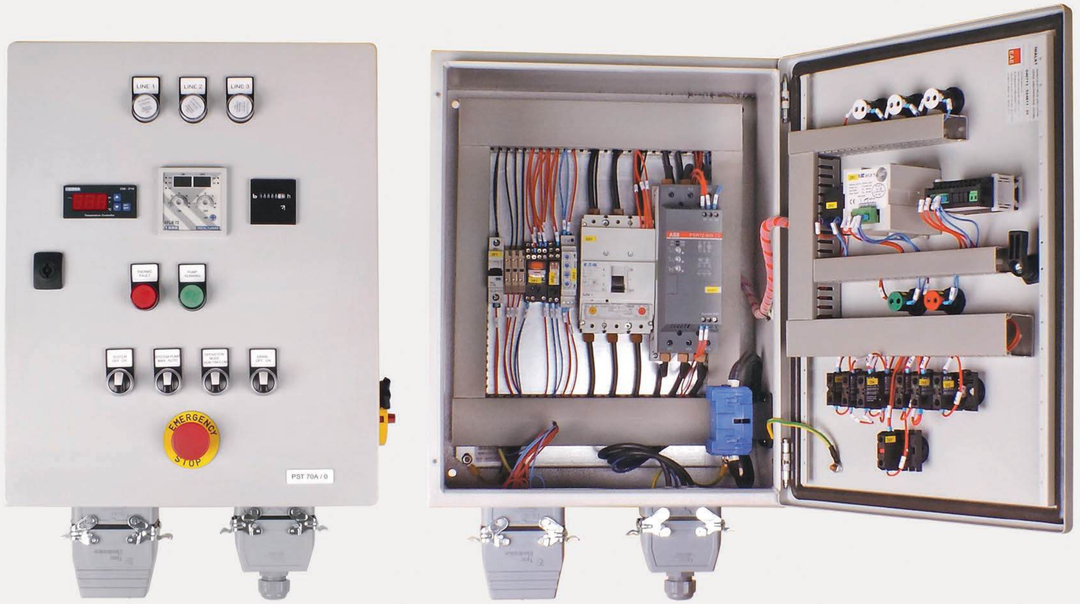


PST 50A-0



CONTROL BOXES WITH SOFT START

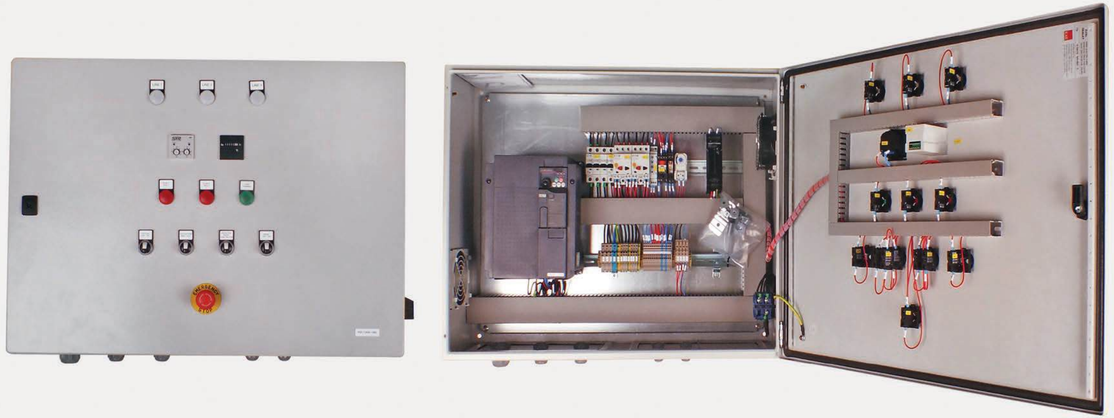
PST 70A-0



PST 5.5 Kw for Greenhouses

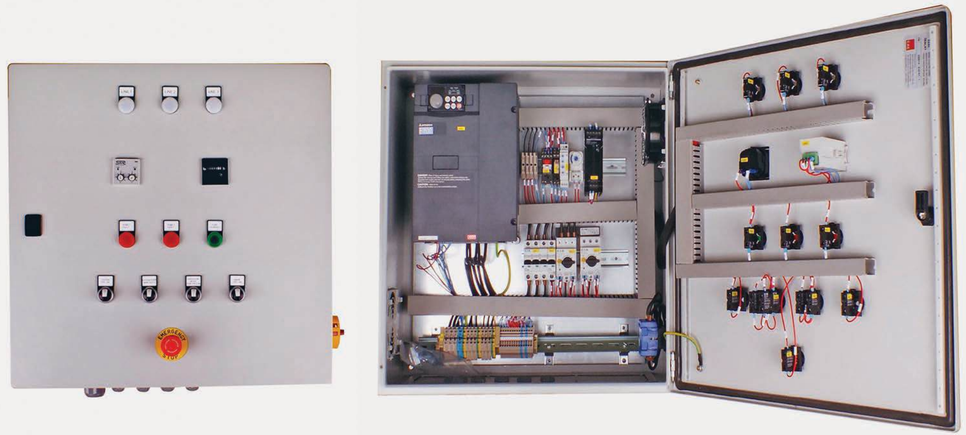
PST 7.5 Kw for Greenhouses

PST 11 Kw for Greenhouses



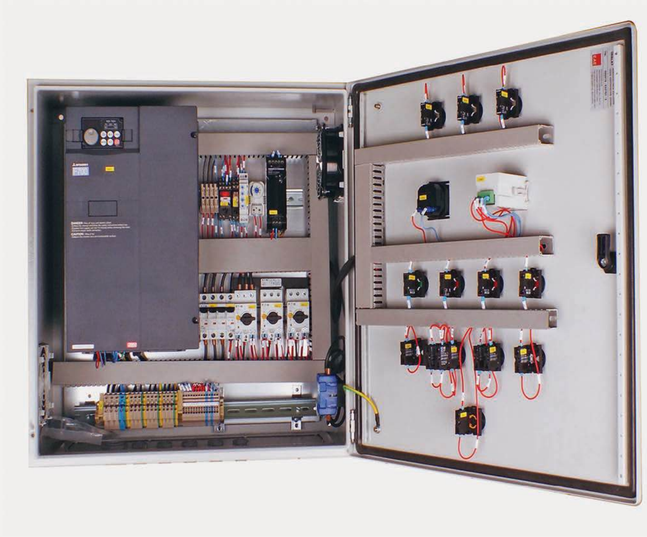
CONTROL BOXES WITH INVERTERS

PST 15 Kw for Greenhouses

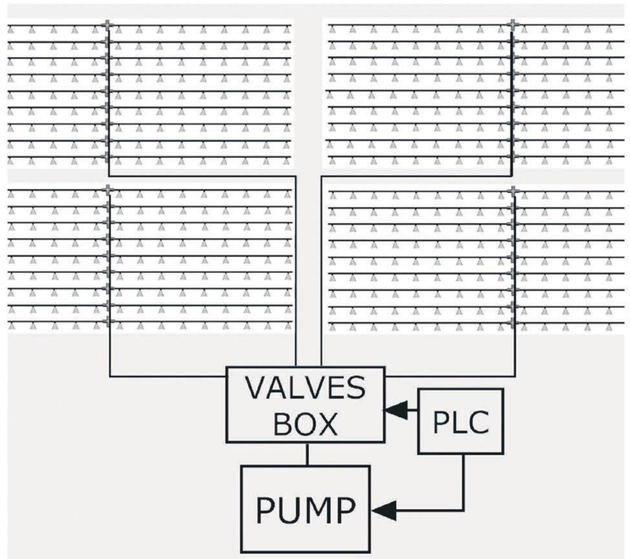


CONTROL BOXES WITH INVERTERS

PST 22.5 Kw for Greenhouses



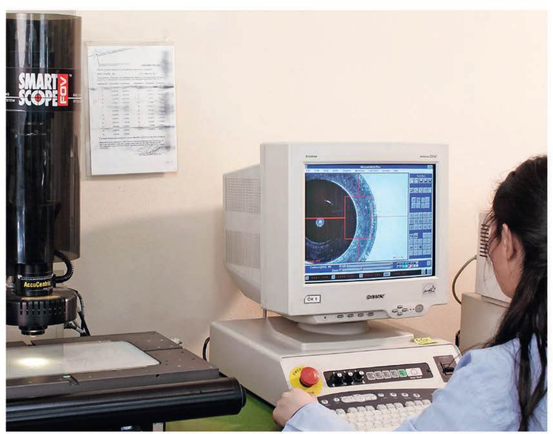
PST 37 Kw for Greenhouses



PLC UNIT FOR GREENHOUSES

Greenhouse consisting of four independent sections requires 100 LPM simultaneous misting. Thanks to our PLC controlled high pressure solenoid valve unit, a programmed misting of each independent unit one after another is an economical solution with an only 25 LPM high pressure pump for whole greenhouse.

95 LPM MISTING PUMP WITH PLC UNIT



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