



**Fogging system  
70 bar-1000 psi  
fog module with  
VARIABLE FREQUENCY  
DRIVE  
from 60 to 170  
nozzles**

## A customized solution

The quality of the fog module 70 VAR is enhanced in applications where in addition to cooling, humidifying, reducing odours and dust, there is a need to control and manage the fogging lines.



Fog sytem  
FOG 70 VAR.  
Unit module



Fog sytem  
FOG 70 VAR,  
detail of stainless  
steel version:  
unloader valve, head  
pump and pressure  
switches made of  
stainless steel



Fog sytem  
FOG 70 VAR,  
detail of the side  
with the connector  
to the PLC panel.



Detail of  
components  
to control and  
regulate Fog sytem  
FOG 70 VAR.



## The ideal solution

**Fog 70 VAR** is the ideal solution for medium to large sites that require to manage multiple fogging lines simultaneously.

## The advantages of "Made in Italy"

Idrotech has twenty years experience in designing and producing fogging systems. The "Made in Italy" logo points out the use of high quality materials and the advanced know-how achieved by the company staff. This choice gives us the possibility to always find innovative solutions, suitable for our customers' requirements and for the needs of an evolving market.

## Technical data

Code	Model	* No. of nozzles	Pressure	Flow rate	Power absorbed	Dimensions W x L x H	Weight
ZX.8040	FOG 70-6 VAR	60	70 bar 1000 psi	6 l/min 1.60 USGpm	3 Hp (3x400 V-50 Hz)	45 x 78 x 50 cm 17.8" x 30.7" x 19.7"	gr. 58000 oz. 2,030.0
ZX.8041	FOG 70-8 VAR	90	70 bar 1000 psi	8 l/min 2.11 USGpm	3 Hp (3x400 V-50 Hz)	45 x 78 x 50 cm 17.8" x 30.7" x 19.7"	gr. 58000 oz. 2,030.0
ZX.8042	FOG 70-11 VAR	125	70 bar 1000 psi	11 l/min 2.90 USGpm	3 Hp (3x400 V-50 Hz)	45 x 78 x 50 cm 17.8" x 30.7" x 19.7"	gr. 58000 oz. 2,030.0
ZX.8043	FOG 70-15 VAR	170	70 bar 1000 psi	15 l/min 4.00 USGpm	3 Hp (3x400 V-50 Hz)	45 x 78 x 50 cm 17.8" x 30.7" x 19.7"	gr. 58000 oz. 2,030.0

### 70 Var - stainless steel version

ZX.8031	FOG 70-11 VAR SS	125	70 bar 1000 psi	11 l/min 2.90 USGpm	3 Hp (3x400 V-50 Hz)	45 x 78 x 50 cm 17.8" x 30.7" x 19.7"	gr. 58000 oz. 2,030.0
ZX.8030	FOG 70-15 VAR SS	170	70 bar 1000 psi	15 l/min 4.00 USGpm	3 Hp (3x400 V-50 Hz)	45 x 78 x 50 cm 17.8" x 30.7" x 19.7"	gr. 58000 oz. 2,030.0

\* The highest number of nozzles has been calculated by using a nozzle with flow rate 20 (0,089 l/min-0.02 USGpm) at 70 bar-1000 psi.

\*\* The flow rate varies depending on the frequency set on the variable frequency drive.

## Recommended accessories

**ELE.0021**

gr. 4400  
oz. 155.2

**Control panel for managing the "Y" kit of solenoid valves**, operating voltage 230V, auxiliary 24V, 0.2 A, 0.1 Hz, 50 Kw, with a five-meter electrical cable. It allows a management up to 2 kits of solenoid valves, that is 2 h.p. lines. It makes the 70 VAR module interact with the "Y" kits of solenoid valves.



**ML.131933018**

gr. 1100  
oz. 38.8

**Keyboard** to regulate the flow rate of nebulized water



**ZX.1131**

gr. 3300  
oz. 116.4

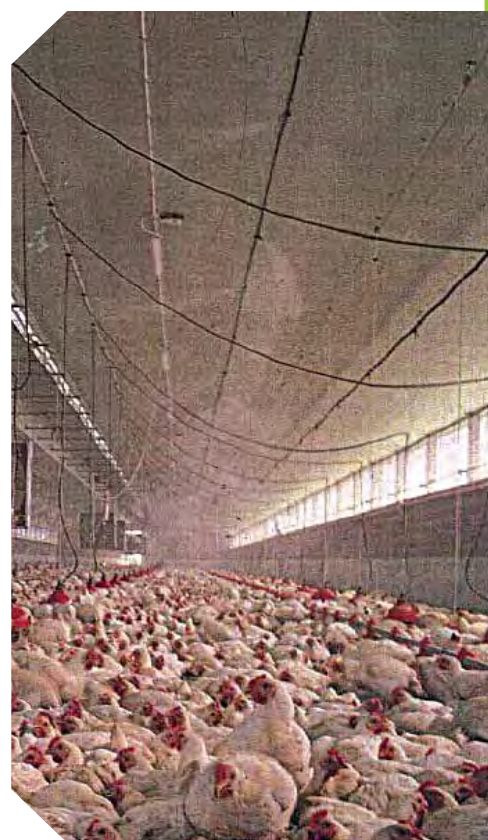
**«Y» solenoid valve kit, 230 V, G 3 / 8 "M-M.** It permits the independent management of a h.p. fogging line. It fulfils two operations:  
1) it intercepts the h.p. line.  
2) it depressurizes the line itself to avoid any dripping during the "OFF" phase in the line



**ZX.1130**

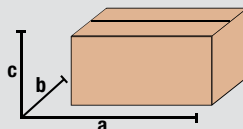
gr. 3300  
oz. 116.4

**«Y» solenoid valve kit, 24 V, G 3 / 8 "M-M.** It permits the independent management of a h.p. fogging line. It fulfils two operations:  
1) it intercepts the h.p. line.  
2) it depressurizes the line itself to avoid any dripping during the "OFF" phase in the line



## Technical features

- **Frame set** made of galvanized plate with stainless steel AISI 304 cover.
- **H.p. pump** with crankshaft, 3 ceramic pistons, brass head (standard version), stainless steel AISI 316 L head (SS version).
- **Electric motor**, 1450 Rpm, 3x400 V-50Hz, S1.
- **Unloader valve**, made of brass (standard version), made of stainless steel AISI 316L (SS version).
- **Pressure gauge** with glycerine made of stainless steel AISI 304.
- **Water inlet I.p. electric valve**, 24V- 50/60Hz. (made of SS AISI 316L - SS version)
- **H.p. electric valve**, 24V – 50/60Hz, (made of SS AISI 316L - SS version)
- H.p. safety valve **pressure switch** for lack of water and/or broken h.p. pipe line, (made of SS AISI 316L - SS version)
- **H.p. and I.p. water circuit**, (components made of SS AISI 316L - SS version)
- **Electric panel**, complete with: ON-OFF thermic switch, remote control switch, fuses, transformer 400V – 24 V, quick connection for connecting to the PLC panel.
- Packaging dimensions:  
a 90 cm-3.5"  
b 60 cm-2.3"  
c 80 cm-3.1"



## Components and optional

Subject	Page
• SS AISI 304 pipe line ø9,6 mm-3/8" and brass fittings	117
• SS AISI 304 pipe line ø12 mm and brass or SS AISI 304 fittings	118
• Optional - connection kit, end line kit and solenoid valves	122
• Optional - dosing pumps	123
• Optional - remote control	124
• Optional - inlet water filters	126
• Fog nozzles	128
• Fog nozzles - accessories and special fittings	129

# IDROBASE®

PASSION FOR WATER 



idrobaser®

[www.idrobaser.com](http://www.idrobaser.com)



perfectcool®

[www.perfectcool.it](http://www.perfectcool.it)



idrotech®

[www.idrotech.com](http://www.idrotech.com)



club dei riparatori®

[www.sparesclub.com](http://www.sparesclub.com)

35010 BORGORICCO (PD) ITALY -

Via dell'Industria, 25

Phone +39 049 9335903 - Fax +39 049 9335922

[idrobaser@idrobaser.com](mailto:idrobaser@idrobaser.com)

[www.idrobasergroup.com](http://www.idrobasergroup.com)

