High resolution and dot matrix characters from one system

Dual tasking for printing on two production lines

Prints on both porous and semi-porous surfaces
The Marsh PatronPlus® large character printing system is more versatile, more functional and more adaptable than ever to meet your expanding needs. The advanced printer technology in this system has unique printhead flexibility that allows you to meet numerous production line applications with the versatility to print dot matrix or fully formed, high-resolution characters from one truly reliable system.

Most Flexible Controller Available

The Marsh PatronPlus system is easy to install and even easier to operate. A typewriter-style keyboard and pop-up menus make it simple to learn, operate and program. What's more, this single controller operates both HR Series and Valve Jet printheads.

- Large, ergonomically correct keyboard is simple to use with large, easy-to-read LCD display that reduces the chance of error
- Menu-driven programming comes standard in eight languages, and additional languages are available
- Drives up to (16) printheads, with each printhead capable of printing up to three lines of text
HR Series – High Resolution

This reliable, Videojet-engineered advancement offers up to 2 inches (50 mm) print height for high-resolution characters. The heart of the HR printhead is the piezo print engine that delivers 150 vertical DPI fully formed characters and enhanced legibility.

- Print large, sharp text and serialized numbers, logos and bar codes
- Compact size of HR printhead fits more production lines and allows for more applications
- Quick, clear printing up to 200 feet/min. (61 mpm) and a 1/4” (7 mm) throw distance
- Low maintenance from no moving parts

Valve Jet – Dot Matrix Flexibility

Optimize the most basic printing needs with this reliable large character, dot matrix printhead. It is versatile, too, with 7-dot and 16-dot versions.

- Multiple fonts for flexibility, with upper/lower case for better legibility
- Easy to install and adjust with a simple tube-and-handle assembly
- Fast, efficient printing at up to 200 feet/min. (61 mpm)

Series 2000: Ingenious, Foolproof

This Videojet innovation is specifically formulated for smooth operation with HR Series printheads. A patented, color-keyed cap system reduces the chance of replacing the 17 once (500 ml) bottle with the wrong ink.

- Bottle features patented no-mess design that prevents ink spillage
- Eliminates mistakes and makes ink changeover easier than ever

The Versatile Marsh ADS Ink System

The ADS ink system is designed exclusively for Videojet printheads. At its heart are trouble-free inks for both porous and non-porous substrates.

- Flexible, 5-gallon, air-driven system utilizing plant air
- Features reliability and simplicity the PatrionPlus is known for
System Components

Controller
RS-232 Interface compatible

Printhead
High Resolution or Valve Jet (see below)

Ink System (HR)
Capillary feed 13oz./382 ml reservoir

Ink System (VJ)
Marsh ADS System

Photocell
External Diffuse and Retroflective Beam

Input Device
QWERTY-style keypad integral to the Controller

Cabinetry
NEMA 12/IP 51 stainless steel option

System Operation

Electrical Requirements
Operable on 50 Hz or 60Hz 100 VAC through 240 VAC

Printhead Operation: (HR)-High Resolution

Print Speed
20 to 200 fpm (6 to 61 mpm)

Character Height
0.25" (6 mm) to 2.0" (50 mm)

Fonts
Roman Fixed Width, logos, bar codes, and special characters.

Printhead Orientation

Distance to Print Surface
Not greater than 0.25" (6 mm)

Firing Directions
360°

Mounting
Conveyor or floorstand

Messages
Alphanumeric Lines
1- 4 per printhead, dependent upon font and printhead
Font
64-Character ASCII set plus special and accented characters

Ink Series 2000: (HR)-High Resolution

Colors
Black, Red, Blue, Green
Capacity
13oz. (382 ml) ink reservoir; 17oz. (500 ml) bottle
Surfaces
Porous only

Ink Series: (VJ)-Valve Jet

Colors
Black, Red, Green, Blue, Violet, Orange, Brown, Yellow, Ultraviolet
Consumption
600,000 character/quart
Capacity
5 gallons/18.9 liters
Surfaces
Porous and non-porous

Environmental Limits

Operating Conditions
Any normal, non-condensing or harsh environment with a temperature range of 40° F to 120° F (4.4° C to 49° C)