

SERV-OIL Automation Pacs

Series 730

Model Shown: 73010104B-CC



Automation Pac with Double-Counter Controller
For Use with Pulse Air Inlet Source

Model Shown: 73010104B-F



Automation Pac with Frequency Controller
For Use with Constant Air Inlet Source

A **SERV-OIL** Automation Pac is a self-contained assembly of oil reservoir, up to 20 Servo-Meters, and a controller. It is supplied ready for installation in a pneumatic circuit, with only ball checks, fittings, and tubing being required. The Automation Pac will provide precision lubrication for up to 20 points on valves, cylinders, fixtures, automation equipment, and machine tools using pneumatic components.

Oil Reservoir. The Automation Pac oil reservoir is made of cast aluminum, and has a capacity of 1/2 gallon (1.9 liters). It has a built-in oil strainer, a transparent sight tube, a quick-fill cap, and a screw-on lid.

If the Automation Pac is located where the oil level cannot easily be determined visually, electrical oil-level switches are available. There are both high-level and low-level switches. They can be connected to a remote electrical control for automatic filling of the reservoir.

Controllers: (See page 200.) Double pulse counters, with or without a frequency generator, can be used to control the frequency of oil injection. These can be integrated into the assembly, or be in the form of stand-alone controllers. A stand-alone controller can be employed to control the injection frequency of several Automation Pacs.

In either case actuation pulses from the system control valve initiate the oil injection function. The controller then is set so the actual oil injection could be every cycle, or every 5, 10, 25, 50, or 100 cycles of the control valve.

Both types of controller are supplied with a 0.3- μ m coalescing filter for clean, long-life operation. The coalescing filter should be preceded by 5- μ m filtration to prolong the life of the coalescing element.

SPECIFICATIONS

Ambient/Media Temperature:

40° to 175°F (4° to 79°C).

Reservoir: Aluminum; 0.5 gallon (1.9 liters) capacity.

Seals: Nitrile.

Servo-Meter: Brass body; optional Aluminum and Nickel Plated brass; acetal end caps.

Servo-Meter Operating Pressure:

60-150 psig (4.1-10.3 bar).

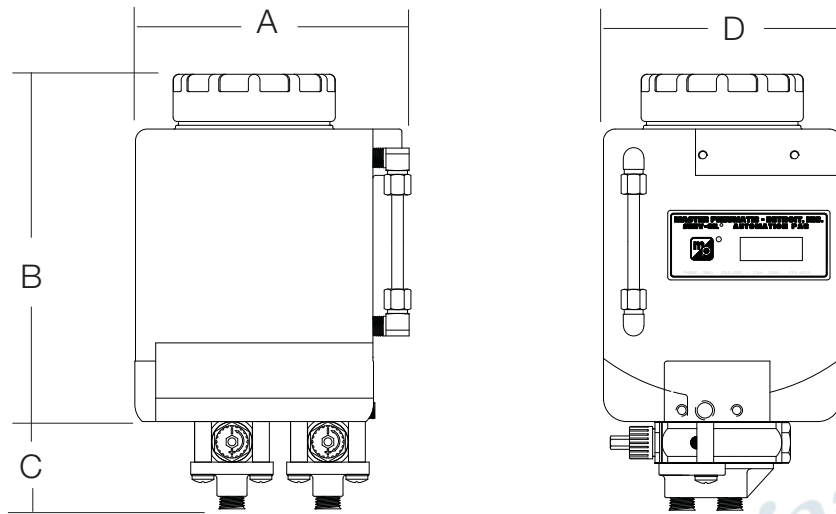
Oil Viscosity Range: 31-1000 @ 100°F (37.8°C)



บริษัท ฟลูเทค จำกัด
FLU-TECH CO.,LTD

845/3-4 หมู่ 3 ถ.เทพารักษ์ ต.เทพารักษ์ อ.เมือง จ.สมุทรปราการ 10270

845/3-4 Thepharak RD., T.Thepharak, A.Muang, Samutprakarn 10270 THAILAND
Tel. 0 2384 6060, Fax 0 2384 5701, Email : sales@flutech.co.th, www.flutech.co.th



DIMENSIONS inches (mm)

				Weight
A	B	C †	D	lb (kg)
5.1 (130)	7.6 (193)	1.8 (46)	5.1 (130)	6.6 (3.0)

† Dimension for single Servo-Meter. For each additional Servo-Meter add 0.9 (23).

ORDERING INFORMATION

Change the letters in the sample model number below to specify the Automation Pac you want.

730 01 05 4 B -Y W

AUTOMATION PAC SERIES

NUMBER OF SERVO-METERS

Specify by numerals
from 01 to 20

SERVO-METER RATING

Half drop 05
One drop 10
Two drops 20

SERVO-METER HOUSING MATERIAL

Brass housing B
Aluminum housing A
Nickel plated brass housing N
and clamp.

PORT TYPE

NPTF threads Leave Blank
BSPP threads W

OPTIONS (More than one option can be chosen. Add in alphabetical order)

None Leave Blank
Servo-Meter shutoff A
Non-shutoff Leave Blank
Block plate B
(Consult Master Pneumatic)
Two pulse counters CC
Oil-end seals for Servo-Meter
(Buna N standard)
EPR E
Viton V
Frequency controller F
and one pulse counter
Frequency controller only F1
Oil-level switches:
Low-level only G
High-level and low-level GG



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