ENGINEERING SOLUTIONS

Total separation solenoid valve

ACE
A&C Engineering

6414K0V90

PRECISE PERFORMANCE IN A RUGGED DESIGN

RUGGED DESIGN

Built with durable materials to withstand the demanding environment of today's greenhouses.

CARTRIDGE DESIGN

Modular construction allows for easy installation, maintenance, and replacement while reducing downtime and improving efficiency.

IMPROVED PILOT

Threaded guide pipe design provides improved resistance to stress cracking under high load.

BANK MOUNTING CAPABILITY

The valve can be mounted in banks, optimizing space utilization, making it ideal for applications requiring multiple valves in a compact arrangement.

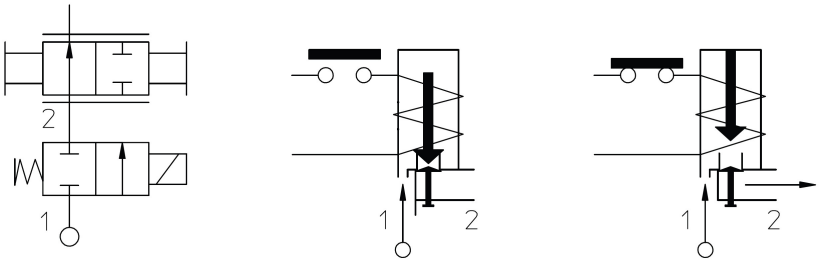
PRESENTATION

Direct acting S.V. for interception of fluids compatible with the construction materials. Minimum operational pressure is not required. The materials used and the tests carried out ensure maximum reliability and duration.

USE: Fertilizer dosing **PIPES:** G 1/2 **COILS:** 12W - Ø 13
UDV12024DY
180°C (class H)

COIL HOUSING AND COIL FORMER MATERIAL ARE MADE FROM 100% VIRGIN MATERIAL.

Max. allowable pressure (PS) 2 bar
Ambient temperature: See coils catalogue page for its compatibility.

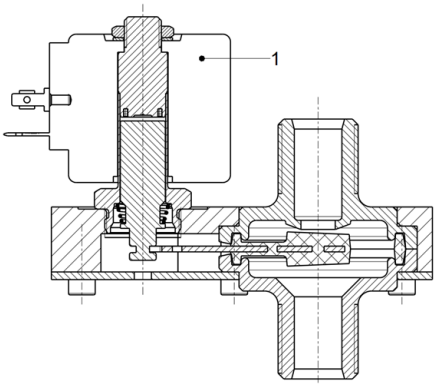


Pipe ISO 228/1	Code	Max Viscosity		Ø mm	Kv	Power	Pressure		
					l/ mn	watt	min	M.O.P.D.	
		cSt	°E				bar	Ac bar	Dc bar
G 1/2	6414K0V90	53	~ 7	9	20	8	0	1,7*	-

*** Guaranteed performance with 24V 50Hz coil**

Note

Max torque for: threaded connections 10 Nm; armature tube 4 Nm; body screws 1.5 Nm | If using sealants for fittings, check compatibility with the material (PP) | Available on request.



MATERIALS

Body: PP-PVC
Armature: Stainless steel AISI series 300
Fixed core: Stainless steel AISI series 400
Plunger: Stainless steel AISI series 400
Phase displacement ring: Copper - Cu 99,9%
Spring: Stainless steel AISI series 300
Seal: V=FKM
Orificie: PP

ON REQUEST

Connector: Pg 9 o Pg 11
Connector conformity: ISO 4400

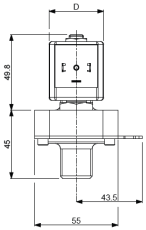
FEATURES

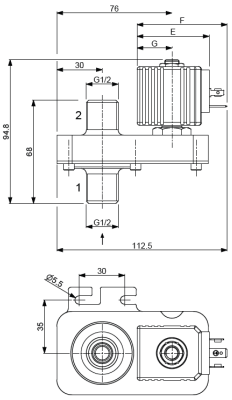
Electrical conformity: IEC 335
Protection degree: IP 65 EN 60529 (DIN 40050)
with coil fitted by connector.

SPARE PARTS

1. Coil: See coils list
Complete plunger: Code R453801
Complete armature tube: Code R450603
Gasket O-Ring: Code R453828/V

DIMENSIONS





COIL TYPE	POWER ABSORPTION			DIMENSIONS			
	W	Hold VA ~	Inrush VA ~	D mm	E mm	F mm	G mm
U	12	23	35	36	48	60	23

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