



# ENGINEERING SOLUTIONS



Total separation solenoid valve



**6414K0V90**

A man and a woman are standing in a large greenhouse, surrounded by rows of tomato plants. The man, on the left, is wearing a grey polo shirt, green overalls, and green rubber boots. He is holding a clipboard and looking at the woman. The woman, on the right, is wearing a plaid shirt, blue overalls, and green rubber boots. She is also holding a clipboard and looking at the man. The greenhouse has a high ceiling with a metal frame and glass panels. The floor is made of concrete. The text "PRECISE PERFORMANCE IN A RUGGED DESIGN" is overlaid in large white letters. There is a red horizontal bar above the text and another red horizontal bar at the bottom of the image.

# 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.

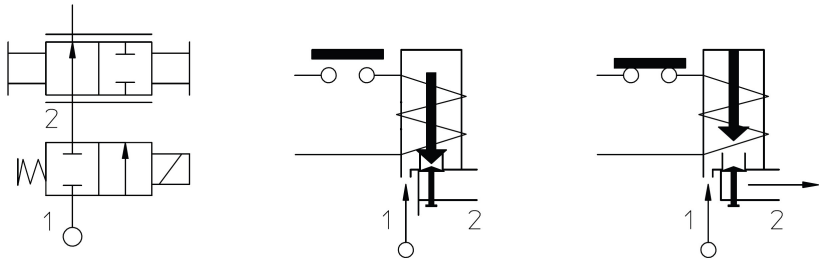
**USE:** Fertilizer dosing

**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.



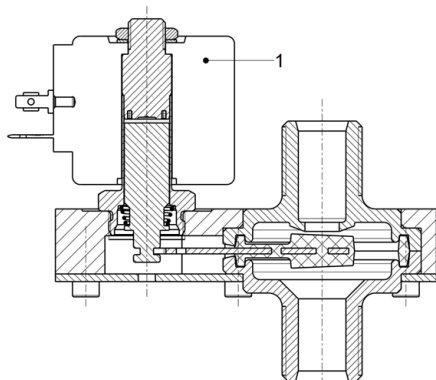
Pipe ISO 228/1	Code	Max Viscosity		Ø mm	Kv	Power watt	Pressure		
							min	M.O.P.D.	
		cSt	°E		l/ mn		bar	Ac bar	Dc bar
G 1/2	6414K0V90	53	~ 7	9	20	8	0	1,7*	-

\* 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.

“ODE ” reserves the right to carry out technical and aesthetic modifications without prior notice



## 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

**Orifice:** 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

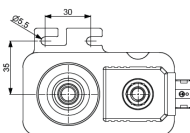
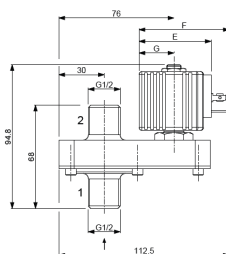
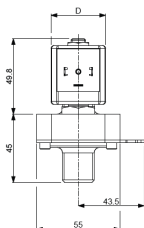
**1. Coil:** See coils list

**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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