



Series 4 Pilot Valves
for Integral Pilot (CA) Applications

Innovative Environmental Solutions

tyco | Flow Control | **Environmental Systems**

RCA3DM Pilot Valve



Description

The RCA3DM is a pilot valve with an integral silencer and dust shroud which mounts directly (screw in) to the 4 series valve cover.

Construction

Encapsulation: PA-6

C-Frame: Mild steel zinc nickel plated

Bobbin: PA-6

IP Rating: IP64

Insulation class: B/130°C

Rating: Non-continuous use only

Clip: Mild steel (mechanically plated)

Operation

Recommended on time range: 50-500ms

Recommended time between pulses: 1 minute or greater

Certification and Conformities

- C-Tick
- EMC (89/336/CE)
- LV
- CSA

Spare Parts:

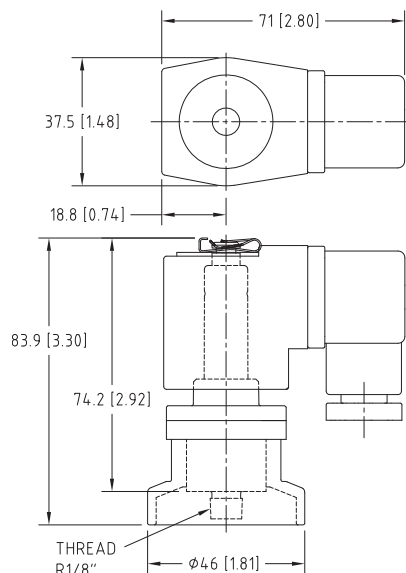
K0380 – Kit includes Nitrile replacement seal, armature, spring and ferrule.

K0384 – Kit includes Viton replacement seal, armature, spring and ferrule.

Please refer to page 3 of the Pilot Valves and Nema 4 Enclosures brochure for replacement coil options.

Dimensions

(Dimensions in mm and [inches])



Product Performance

Flow	Maximum Working Pressure	Minimum Working Pressure	Temperature Min	Temperature Max	Fluid Media
0.32 Cv	860 kPa	0 kPa	-40°C	82°C	Air or
0.27 Kv	125 psi	0 psi	-40°F	180°F	inert gas

How to Order

Part Code

RCA 3 D M - 3 0 1

Valve Type

RCA - Pilot valve - Remote controlled air

Pilot Size

3 - 1/8" Pipe Thread

Body Style

DM - Male inlet, R 1/8" thread, suits all Series 4 RCAC valves

Coil Series

3 - Goyen 'Q' coil

Order Code and Electrical Characteristics

Model	Connection Type	Protection Class	Voltage	Power
300	DIN 43650A	IP64	200/240V 50/60Hz	23.1 VA
301	DIN 43650A	IP64	100/120V 50/60Hz	19.8 VA
302	DIN 43650A	IP64	24V 50/60 Hz	23.1 VA
303	DIN 43650A	IP64	110VDC	24 W
304	DIN 43650A	IP64	48VDC	20 W
305	DIN 43650A	IP64	24VDC	20 W
306	DIN 43650A	IP64	12VDC	20 W
310	Conduit (M20x1.5)	IP31	200/240V 50/60Hz	23.1 VA
311	Conduit (M20x1.5)	IP31	100/120V 50/60Hz	19.8 VA
312	Conduit (M20x1.5)	IP31	24V 50/60 Hz	23.1 VA
313	Conduit (M20x1.5)	IP31	24VDC	20 W
314	Conduit (M20x1.5)	IP31	12VDC	20 W
320	Conduit (1/2" NPSC)	IP31	200/240V 50/60Hz	23.1 VA
321	Conduit (1/2" NPSC)	IP31	100/120V 50/60Hz	19.8 VA
322	Conduit (1/2" NPSC)	IP31	24V 50/60 Hz	23.1 VA
323	Conduit (1/2" NPSC)	IP31	24VDC	20 W
324	Conduit (1/2" NPSC)	IP31	12VDC	20 W

For Remote Pilot (RCA) Applications,
Please refer to the Pilot Valves and Nema 4 Enclosures brochure.

RCA3PV Pilot Valve



Description

The RCA3PV pilot is another option for integral pilot (CA) applications. The RCA3PV pilot is a screw in pilot available in 1/8" (RCA3PV) and 1/4" (RCA3PV2) port sizing.

Construction

Encapsulation: PA-6

C-Frame: Mild steel zinc nickel plated

Bobbin: PA-6

Insulation class: F/155°C

IP Rating: IP65

Rating: Non-continuous use only

Clip: Mild steel (mechanically plated)

Operation

Recommended on time range: 50-500ms

Recommended time between pulses: 1 minute or greater

Certification and Conformities

- EMC (89/336/CE)
- LV

Spare Parts:

No pilot valve overhaul kits are available for the RCA3PV pilot. However, coil kits are available as listed below:

K0203 - Dual rating: 110v DC 18W or 220/240v 50/60Hz. Kit includes coil, stabilus clip and washer.

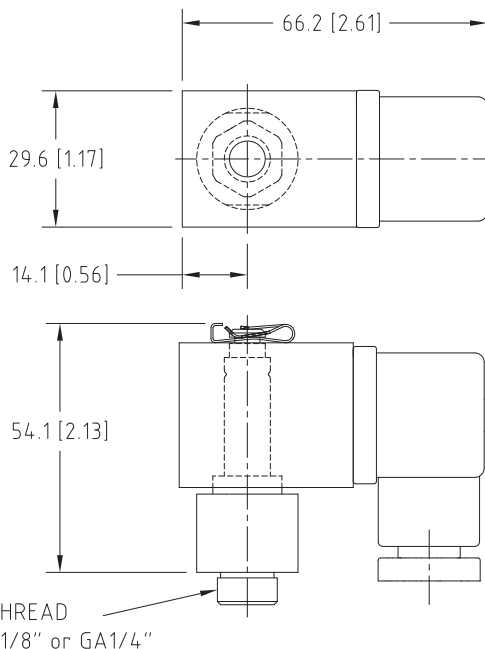
K0204 - Dual rating: 48VDC 18W or 115v 50/60Hz. Kit includes coil, stabilus clip and washer.

K0205 - Dual rating: 24v DC 18W or 48v 50/60Hz. Kit includes coil, stabilus clip and washer.

K0206 - Dual rating: 12v DC 18W or 24v 50/60Hz. Kit includes coil, stabilus clip and washer.

Dimensions

(Dimensions in mm and [inches])



RCA3PV - 1/8", RCA3PV2 - 1/4"

Product Performance

Flow	Maximum Working Pressure	Minimum Working Pressure	Temperature Min	Temperature Max	Fluid Media
0.28 Cv	860 kPa	0 kPa	-40°C	82°C	Air or
0.24 Kv	125 psi	0 psi	-40°F	180°F	inert gas

How to Order

Part Number Code

RCA 3 P V 2 - 2 0 5

Valve Type

RCA - Pilot valve - Remote controlled air

Pilot Size

3 - 1/8" Pipe Thread

Body Style

PV - Male inlet, suits all RCA & RCAC main valves

Thread Type

Blank - R1/8" thread
2 - GA1/4" thread

Coil Series

3 - Mecair 'SB3' coil

Coil Connection

0 Square DIN connector

Voltage Options

3 Dual rating: 110v DC 18W or 220/240v 50/60Hz 46/37VA
4 Dual rating: 48v DC 18W or 115v 50/60Hz 63/53VA
5 Dual rating: 24v DC 18W or 48v 50/60Hz 41/32VA
6 Dual rating: 12v DC 18W or 24v 50/60Hz 38/31VA

**For Remote Pilot (RCA) Applications,
Please refer to the Pilot Valves and Nema 4 Enclosures brochure.**



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