

## AIR PULSE CLEANING ASSEMBLY (APCA)

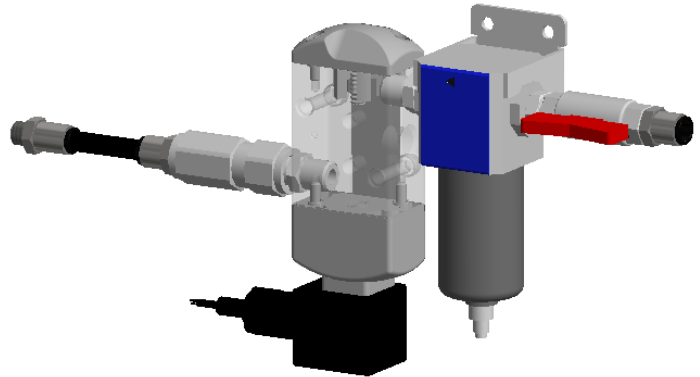
### DESCRIPTION

The Air Pulse Cleaning Assembly (APCA) is installed to Fike’s ValvEx or Dual Flap Isolation (DFI) valve to prevent the build-up of dust from the bottom interior of the valve that may prevent the valve flap(s) from closing completely. The APCA ships separately and is field installed to the valve.

#### What about the field interface box?

The APCA must be connected to a regulated air supply that is free of moisture and oil. The APCA is equipped with a filter and automatic condensate drain that allows it to automatically drain to prevent hazardous levels of moisture and oil from accumulating.

The APCA must be continuously cycled on and off to prevent the build-up of dust within the valve body. The on and off cycling is controlled by the connection of the assemblies 24 Vdc solenoid to a timing circuit. The timing circuit can be provided either by a programmable logic controller (PLC) or by the Fike Interface Module equipped with the APCA timer option. See datasheet X.1.104.01. The timing circuit must be adjustable for on/off timing to allow field adjustments to be made to account for sticky materials or materials prone to build-up.

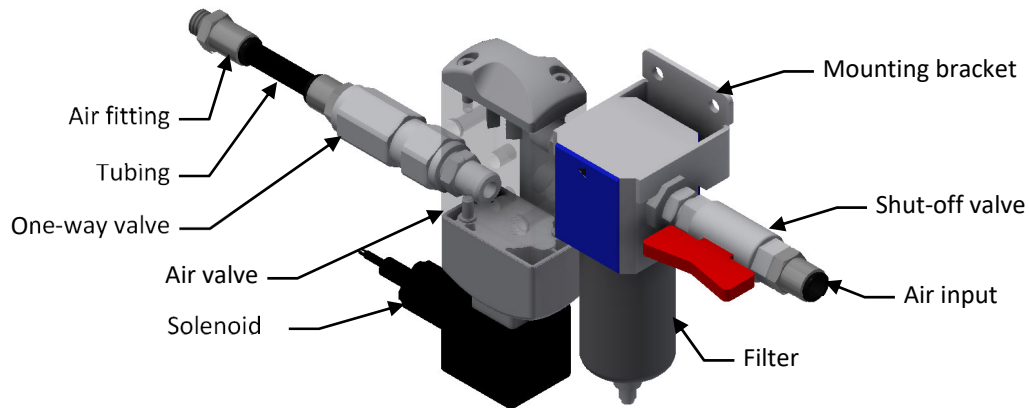


### ORDERING

Part Number	Description
E30-0653-1	Air Pulse Cleaning Assembly, ATEX solenoid
E30-0653-2	Air Pulse Cleaning Assembly, CSA solenoid

## SPECIFICATIONS

General		
Net weight	10.67 lbs. (4.84 kg), without air-purge components ? lbs. (? Kg), with air-purge components	
Air supply	Regulated air supply that is free of moisture and oil per ISO 8573-1-2010, category 3.2.3	
Solenoid	ATEX - IECEx	CSA - IECEx
Wattage	2W	3W
Voltage	24 Vdc	24 Vdc
Current	TBD	TBD
Ambient Temp (operating)	-25 to 60°C (-13°F to 140°F)	-15°C to 60°C (5°F to 140°F)
De-energized State	Normally closed	Normally closed
Protection	IP 65	NEMA 7 & 9
Wiring	Flying leads, 3 m (118 in) long Blue (Ground) Yellow/green stripe (Protected Earth) Red (Signal +24 VDC to open)	
Air Filter		
Micron	40µm	
Drain Type	Semi-auto	
Pressure Range	0.15 – 0.9 MPa (20 – 130 psi)	
Proof Pressure	1.5 MPa (215 psi)	
Temperature Range	-5 to 60°C (23°F to 140°F)	
Capacity of Drain Bowl	10CC	



**Air Pulse Cleaning Assembly**