

THE MARKETS WE SERVE

Electric actuators offered from stock by AVS are suitable for nearly all non-hazardous area applications providing that the actuator's stated parameters of ingress protection, working temperature and atmospheric conditions are not exceeded - electric actuators generally can also have difficulties when vibration is present. AVS's manufacturing partners can offer electric actuators suitable for hazardous areas, but AVS does not carry stock.

Typically the valve actuators sold by AVS are widely used in the following industries:

VALVE MANUFACTURERS

Many valve manufacturers use, or have used the electric valve actuators stocked by AVS as their standard offering for electrically actuated valves, covering ball and butterfly valve manufacturers producing either metal or plastic valves.



VALVE STOCKISTS AND DISTRIBUTORS

An important part of the AVS business are valve distributors who carry stock of Smart Actuators and fit them to their own ball and butterfly valves enabling them to offer a range of actuation solutions from stock. For example, the huge flexibility that the J+J J3C-S Series electric actuators' plug and play function conversion kits offer generate excellent ROIs for stockists. Larger volume stockists have the electric actuators in their own colour, and own-labelled, helping promote their brand and guaranteeing repeat business when replacements are required.

VALVE RE-SELLERS

Another mainstay of the AVS business is the valve re-seller sector where the re-seller doesn't hold stock and orders actuators on a back-to-back requirements, job by job. The flexibility of the Smart Actuators stocked by AVS allows them to cover on-off, failsafe and modulating requirements from stock thereby offering fast delivery times which are often needed, and help the re-seller win the orders. In most cases AVS will supply a complete actuated valve package, assembled and tested at their ISO9001 quality approved works in the UK.



THE MARKETS WE SERVE WITH ELECTRIC ACTUATORS

ORIGINAL EQUIPMENT MANUFACTURERS (OEMs)

Light in weight and compact in size, the J+J and AVA Smart Actuator is used in many OEM applications. Larger volume OEMs have the electric actuators own-labelled to maintain a corporate identity within the equipment, and to guarantee replacement and spares business for the OEM.



HVAC (HEATING, VENTILLATING & AIR CONDITIONING)

The modulating versions of AVS Smart Actuators are ideally suited to the Building Management Systems (BMS) typically employed in commercial heating, ventilating and air conditioning installations, and AVS actuated valves are commonly installed in pump and plant rooms, risers and as zone valves, as well as boiler rooms.

WATER UTILITIES

The electric actuator is widely used in many areas of water, waste water processing and sewage treatment providing control and isolation of water as electric actuated ball valves and electric actuated butterfly valves.

Ball and butterfly valves of most sizes and materials of construction have been supplied including brass, stainless steel, PVC, ABS, CPVC and Polypropylene.



THE MARKETS WE SERVE WITH ELECTRIC ACTUATORS

FOOD PROCESSING

With its lightweight plastic housing, the J+J and AVA Smart Actuator is ideally suited to plastic valves and is commonly used in actuated ball valves and actuated butterfly valves in food processing, typically with PVC or ABS valves.



CHEMICAL DOSING SYSTEMS

A popular market for AVS modulating electric actuators is in chemical dosing. The plastic housed and lightweight J+J and AVA actuator is ideally suited to be used with plastic ball valves and the accurate digital positioning system utilising magnetic position sensing technology provides a cost effective but accurate control valve.

BREWING AND BEVERAGE

Another strong market for the J+J and AVA Smart Actuator is the drinks manufacturing sector, typically the AVS actuators are seen mounted to cavity filled stainless steel ball valves with tri-clamp ends.



FACTORY UTILITIES

As the J+J electric actuator can be mounted to valves manufactured in any material, the J+J actuator is seen in many factory service applications covering water, air, gas and fuel oils.

INDUSTRIAL PROCESS SYSTEMS

With the four main functions covered from stock (on-off, modulating, failsafe and failsafe modulating), the J+J and AVS Smart Actuator is seen a wide variety of process systems, a common application being in the control of steam systems where a modulating J+J or AVA actuator is assembled to a V ball valve to create a V Control valve.



SWIMMING POOLS

The lightweight corrosion resistant plastic housed J+J and AVA Smart Actuator is widely used in the plant rooms of swimming pools from private homes to Olympic sized pools. Commonly the AVS supplied electrically actuated ball valves or electric butterfly valves are in PVC, and filter backwash systems are a typical application.

FISH FARMS

The lightweight corrosion resistant plastic housed J+J and AVA Smart Actuator is widely used in the plant rooms of fish farms from small domestic to full scale commercial installations. Commonly the AVS supplied electrically actuated ball valves or electric butterfly valves are in PVC, and as with swimming pools, filter backwash systems are a typical application.

