



Model: D300

A line of digital valve positioners to complement the traditional V series pneumatic and electro-pneumatic valve positioners.

This positioner can be ordered as a base digital model or can be specified with HART, Profibus or Foundation Fieldbus protocols.

We can supply the electronics in two styles of housing to suit your application. A unit that is suitable for safe area or Intrinsically safe applications or an EXD certified one.

There are a number of options that can be specified from indicators, gauges and switches to displays and keypads. Making the unit very flexible to cover almost all conceivable applications.

Input Signal

4-20 mA (<420 ohms load)
Optional Fieldbus.

Supply Pressure

maximum 7 bar (105 PSIG)

Supply air dependence

<0.1% / 1Bar (15 PSI)

Linearity Error

<0.4% Travel Span

Hysteresis

<0.3% Travel Span

Sensitivity

<0.1% Travel Span

Air Delivery

@ 6Bar (90PSI) 166nl/min 5,8SCFM

Air Consumption

@ 6Bar (90PSI) 5nl/min 0.18SCFM

Temperature Range

-40 to +80 Celsius (-40 to +176 Fahrenheit)

Temperature Effect

<0.3% / 10 Celsius

Note

Temperature Range of LCD

-25 to +70 Celsius (-13 to +158 Fahrenheit)
Below -25 the display reacts slowly,

Rotation

Up to 95 degrees

Linear stroke

8 to 260mm (0.3 to 10.2")

DIGITAL VALVE POSITIONER



Thread sizes

Air connections	1/4" G Optional 1/4" NPT
Electrical entry	M20 Optional 1/2" NPT or PG13.5
Gauge ports	1/8" G Optional 1/8" NPT

Ingress Protection

IP65 (NEMA 4X)

Surface Finish

DD Varnish

Weight

1.8Kg (4lbs)

EMC

En 61326, IEC 61326, En 6100-6-2

Communication Protocols

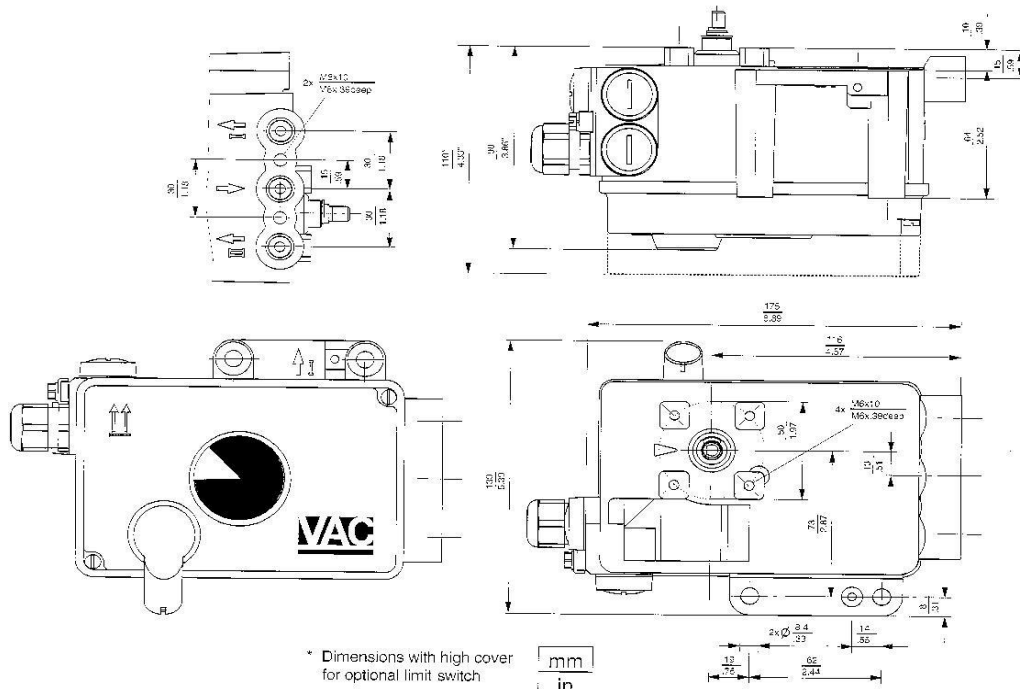
HART with 420 ohms load
Profibus PA, Foundation Fieldbus H1 to IEC 1158-2

Features and Benefits

Microprocessor based valve positioner
Menu driven LCD display, multilingual + LED's
Push buttons for local easy configuration
Two step time saving auto start up
Spool valve design for ruggedness
Linear or Rotary, Single or Double acting

The D300 is part of a range of Valve control products:

V100P Pneumatic valve positioner
V100E Electro-pneumatic valve positioner
D300 Digital Valve positioner
R100 Positioner mounted feedback unit
R300 Stand alone feedback unit
Mounting kits
Gauges



Dimensions given for D300 and D300IS only

Ordering codes

Positioner	Threads	Drive	Communications	Feedback	Options
D300 D300IS D300EX					
1/4" G / M20 NPT / NPT (others available)	GM NN	D1 D2	N H P F	Q V	
	Rotary Namur Linear	None HART Profibus Foundation F/bus	4-20 mA Switches	Double Acting Prox. Sensors Gauges Language	C T M Vxx