# Smart High-Performance Positioner Model Selection

E - EXECUTION (HAZARDOUS CERTIFICATIONS)

ntrinsically Safe

Intrinsically Safe

Explosion Proof

Intrinsically Safe

ntrinsically Safe

Flame Proof

ATEX / IECEx

ATEX / IECEx

UL

UL

CU TR

CU TR

ECASEx

**ECASEx** 

INMETRO

INMETRO

коѕна

KOSHA

PESO

PESO

SANS

SANS

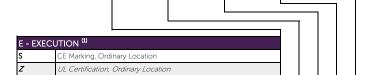
UKCA (11)

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### H - COMMUNICATION

SHP -

Η 4-20 mA & HART 7

D - EXHAUST PORT		
0	Standard	
1	Collected	
2	Closed loop (2)	
3	Checked Exhaust Model 1 (special) (3)	
4	Checked Exhaust Model 2 (special) (3)	

F - POSITION SENSOR		
0	Contactless Integrated (4)	
1	Potentiometer Integrated (special)	
2	Not Integrated Position Sensor (5) (special)	

### A - SIGNAL FAIL POSITION

Fail Safe
Two Wires Fail Freeze / Zero Bleed in Steady State 

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Two Wires

Hazardous Certified, see related table

## L - LOCAL INTERFACE Blind cover, without display and push button Display and push button

#### I - TYPE & CONNECTIONS

Туре			Connections	
		Electrical	Pneumatic	
S	High flow double/single acting	CV 2,3	½" NPT	½" NPT
R	Standard flow double/single acting (special)	CV 0,3	1/2" NPT	1/4" NPT

### M - MATERIAL

A Aluminum low copper housing
S Stainless steel 316 housing

### T - TEMPERATURE RANGE

U	-55°C / +85°C
L	-40°C / +85°C

OPTION	OPTIONS		
+2M	Quantity 2 SS316 pressure gauges on actuator side ports (A,B)		
+3M	Quantity 2 SS316 pressure gauges on actuator side ports (A, B) + Quantity 1 SS316 pressure gauge on supply port (IN)		
+RS	Remoted position sensor application		
+LB	Low bleed application $(\red{l})$		
+M20	Quantity 1 <sup>(8)</sup> or quantity 3 <sup>(9)</sup> adapters for electrical connection M20x1.5		
+Pack1	Standard Pack <sup>(10)</sup> , Step Test, Valve Signature Test, Dynamic Error Band Test, Pressure Fallback		
+Pack2	Pack1, Stability Control. Soft Approach To Seat (Soft Cut Off), Frequency Test		
+Pack3	Pack2, Online Logger		
+CBL	SHP Remote Control Software connection cable (High Speed Transfer Data USB cable)		
+4WF	Four Wires Fail Freeze <sup>(12)</sup>		
+CP	Custom Painting (13)		

- (1) All the configurations are IP 66. All the configurations are SIL3 capable (except "Two Wires Fail Freeze"). Grey marked "certifications" will be available soon.
- (2) Available only for single acting actuators.
- (3) Only for configurations SHP-S, SHP-I and SHP-D.
- $(^4)$  Additional magnet holder (+MG) is required, depending on application. For further informations, please see IOM.
- (5) Option +RS mandatory for this configuration. For further informations, please see IOM.
- (\*) Additional accessories are required. For "Explosion Proof" or "Flame Proof" models select option +4WF. Temperataure range is limited by the piezo valve (-25°C to 60°C).
- For further informations, please see IOM.
- (<sup>7</sup>) Available only with "Reduced flow" design.
- (8) Only for "Explosion Proof" or "Flame Proof" models.
- (9) Only for "Intrinsically Safe" models.
- (10) Software (RC) with: Self-tuning, Pilot Test, System Status, Parameter Monitoring, Graph Comparison, Parameter Measurement, Events, Counters, Partial Stroke Test.
- (<sup>11</sup>) ATEX marking is recognized by UK as valid certification. UKCA marking is not anymore mandatory. Select configurations SHP-S, SHP-I or SHP-D for UK market.
- (12) Available only for "Fail Safe" positioners. Additional accessories and wiring are necessary. For further information, please see IOM.
- $(^{13})$  Available only for Stainless Steel 316 housing. Additional feasibility studies must be conducted.