

Smart High-Performance Positioner Model Selection

SHP -

E - EXECUTION ⁽¹⁾	
S	CE Marking, Ordinary Location
Z	CSA Certification, Ordinary Location
...	Hazardous Certified, see related table

H - COMMUNICATION	
H	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 ⁽³⁾

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

A - SIGNAL FAIL POSITION	
A	Fail Safe
F	Two Wires Fail Freeze / Zero Bleed in Steady State ⁽⁶⁾

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

I - TYPE & CONNECTIONS				
Type	Connections		Pneumatic	
	Electrical			
S	High flow double/single acting	CV 2,3	½" NPT	½" NPT
R	Standard flow double/single acting (special)	CV 0,3	½" NPT	¼" 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

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 ⁽⁷⁾
+M20	Quantity 1 ⁽⁸⁾ or quantity 3 ⁽⁹⁾ adapters for electrical connection M20x1.5
+Pack1	Standard Pack ⁽¹⁰⁾ , 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 ⁽¹²⁾
+CP	Custom Painting ⁽¹³⁾

E - EXECUTION (HAZARDOUS CERTIFICATIONS) ⁽⁴⁾		
I	ATEX / IECEx	Intrinsically Safe
D	ATEX / IECEx	Flame Proof
F	CSA	Intrinsically Safe
G	CSA	Explosion Proof
C	CCC	Intrinsically Safe
L	CCC	Flame Proof
T	CU TR	Intrinsically Safe
R	CU TR	Flame Proof
E	ECASEx	Intrinsically Safe
X	ECASEx	Flame Proof
N	INMETRO	Intrinsically Safe
M	INMETRO	Flame Proof
K	KOSHA	Intrinsically Safe
H	KOSHA	Flame Proof
P	PESO	Intrinsically Safe
O	PESO	Flame Proof
A	SANS	Intrinsically Safe
B	SANS	Flame Proof
U	UKCA ⁽¹¹⁾	Intrinsically Safe
V	UKCA ⁽¹¹⁾	Flame Proof

⁽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⁾ Available only for certain configurations. For further informations, please contact IMI STI.

⁽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.

⁽⁶⁾ Additional accessories are required. For "Explosion Proof" or "Flame Proof" models select option +4WF. Temperature range is limited by the piezo valve (-25°C to 60°C).

For further informations, please see IOM.

⁽⁷⁾ 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.

⁽¹¹⁾ 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.