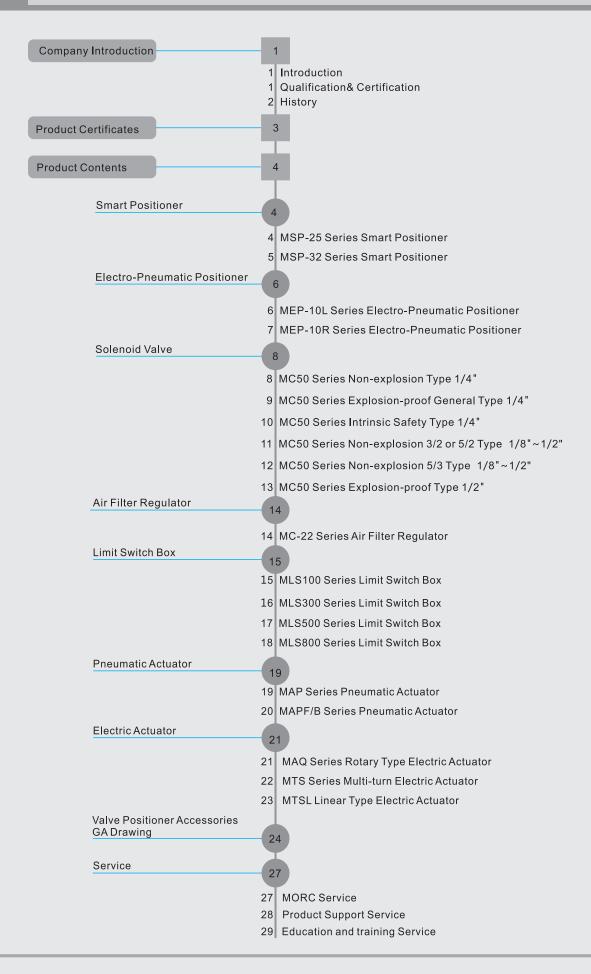


Valve Accessories Manufacturer





Contents





Introduction

MORC Controls Ltd is a leading manufacturer of valve accessories in Canada. It is mainly engaged in the research and development of valve accessories such as valve positioners, solenoid valves, limit switches and actuators.

Shenzhen MORC Controls Co., Ltd, is the operation center and production base in China. The company has gained ISO9001 quality management system and ISO14001 environmental management system certification. The products have obtained CE, ATEX, NEPSI, SIL3 as well as other quality and safety certificates.

Our product range involves in valve positioner, solenoid valve, limit switch, air filter regulator and so on, which are widely used in petrochemical, natural gas, power, metallurgy, paper-making, foodstuff, pharmaceutical, water treatment industries. We are also capable of providing complete set of control valve and on-off valve solution as we have a very close relationship with valve manufacturer.

With the rapid development of industrialization, automation and intelligence in the world, MORC will adhere to the development philosophy of "quality first, technology first, continuous improvement, customer satisfaction", provide customers with better products and services, and build MORC into world's leading valve accessories brand.

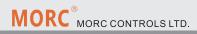
Qualification & Certification





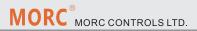






History

2019.01	Obtained ISO9001:2015 Quality Management System Cerfiticate
2018.12	Obtained ISO14001:2015 Environmental Management System Certificate
2017.08	Opening of the design and testing laboratory
2017.06	Certified SIL3 for Solenoid Valves & Limit Switch Box
2016.07	Obtained the National and Shenzhen high-tech enterprise qualification certificate
2016.07	Special funding provided by Shenzhen future industry development
2015.12	Obtained ISO 9001:2008 quality management system certification
2015.09	Moved to a newer and bigger MORC building
2014.07	Obtained air filter regulator and solenoid valve invention patent and software patent
2014.04	Obtained CE certification for all range of products
2012.06	Obtained Shenzhen innovative small and medium-sized company certification
2010.05	Implemented ERP management system
2010100	Implemented Little management of stem
2008.10	Established Shenzhen Morc Controls Co., Ltd



Company Qualification

Product Name	Model No.	Certificate	Certification number or certification level
		CE	Anbotek: AT011410545E
	MOD 05	ATEX	II2G ExiaIICT6 Gb ; II2D ExiaD IIIC T100°C/85°C Db ; IP66
	MSP-25	CNEX	Ex ia IICT6 Ga
Omart Basitianas		SIL3	SWISS:086-03-026-00509/IEC61508 Parts1-7:2010
Smart Positioner		CE	Anbotek: AT011410545E
	1400.00	ATEX	II2G ExdIICT6 Gb; II2D Extb IIIC T100℃/85℃ Db; IP66
	MSP-32	NEPSI	ExdIICT6 Gb; Ex tD A20 IP66 T85℃
		SIL3	SWISS:086-03-026-00509/IEC61508 Parts1-7:2010
		CE	Anbotek: AT011410545E
Electro Proumatio	MED 40	ATEX	II2G ExdmbIICT6 IP66
Electro-Pneumatic Positioner	MEP-10	NEPSI	ExiaIICT6 Ga IP66
		SIL3	SWISS:086-03-026-00509/IEC61508 Parts1-7:2010
		CE	Anbotek: AT011410546E
	MC50-XXN/M	SIL3	SWISS:086-03-026-00507/IEC61508 Parts1-7:2010
		CE	Anbotek: AT011410546E
	MC50-XXA	ATEX	II2G ExialICT 5/T6 Gb ; II2D Exia IIIC T100°C/85°C Db IP6X
Solenoid Valve		SIL3	SWISS:086-03-026-00507/IEC61508 Parts1-7:2010
		CE	Anbotek: AT011410546E
	MC50-XXD	ATEX	II2G Exd IIC T6 Gb; II2D Extb IIIC T85℃ Db;IP66
		NEPSI	ExdIICT6 Gb; Ex tD A20 IP66 T85℃
		SIL3	SWISS:086-03-026-00507/IEC61508 Parts1-7:2010
	MI 0400	CE	Anbotek: AT011410550E
	MLS100	SIL3	SWISS:086-03-026-00511/IEC61508 Parts1-7:2010
	MLS300	CE	Anbotek: AT011410550E
		ATEX	II2G Exd IIC T6 Gb; II2D Extb IIIC T85℃ Db; IP67
		NEPSI	ExdIICT6 Gb
		SIL3	SWISS:086-03-026-00511/IEC61508 Parts1-7:2010
		CE	Anbotek: AT011410550E
Limit Switch Box	MI 0500	ATEX	II2G Exd IIC T6 Gb; II2D Extb IIIC T85℃ Db; IP67
	MLS500	NEPSI	ExdIICT6 Gb
		SIL3	SWISS:086-03-026-00511/IEC61508 Parts1-7:2010
		CE	Anbotek: AT011410550E
	MI 0000	ATEX	II2G Exd IIC T6 Gb; II2D Extb IIIC T85℃ Db; IP67
	MLS800	NEPSI	ExdIICT6 Gb
		SIL3	SWISS:086-03-026-00511/IEC61508 Parts1-7:2010
		CE	Anbotek: AT011410548E
Pneumatic Actuator	MAP	ATEX	Ex II 2 GD
		SIL3	SWISS:086-03-026-00510/IEC61508 Parts1-7:2010
Electric Autori	144.0	NEPSI	ExdIIBT4 Gb
Electric Actuator	MAQ	ATEX	II2G Exd IIBT4 Gb; IP68
Air Filter D	140.00	CE	Anbotek: AT011410549E
Air Filter Regulator	MC-22	SIL3	SWISS:086-03-026-00508/IEC61508 Parts1-7:2010



MSP-25 Series Smart Positioner





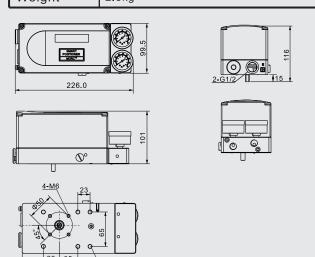


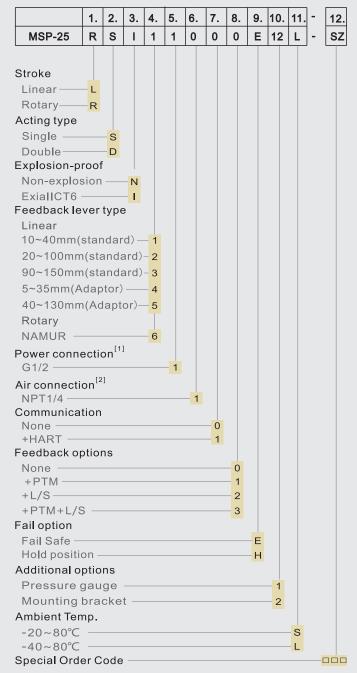
MSP-25 series implement advanced piezo sensor technology for superior performance and reliability. It can be easily setup and configured by local buttons.

- Use piezoelectric valve electric / pneumatic conversion structure.
- Suitable for hazardous area by intrinsically safe electronics.
- Easy to install and auto-calibration.
- LCD display and on board button operation.
- Fail safe function under loss of power, loss of air supply and loss of control signal.



Model No.		MSP-25						
Input signal		4~20mA DC						
Supply pressure		0.14~0.7MPa(20~105psi)						
Stroke	Linear	10~150mm(standard);5~130mm(adaptor)						
Stroke	Rotary	0~90°						
Impeda	ance	450Ω (without HART) , 500Ω (with HART)						
Air con	nection	NPT1/4						
Gauge co	onnection	NPT1/8						
Power co	nnection	G1/2						
Repeat	tability	±0.5%F.S.						
Ambient	Normal temp	-20~80°C						
temp.	Low temp	-40~80°C						
Linearity		±0.5%F.S.						
Hyster	esis	±0.5%F.S.						
Sensiti	vity	±0.5%F.S.						
Flow ra	ite	Fully open: 130L/min(@6.0bar)						
Air cons	umption	Stable condition: <0.0006Nm³/h						
Output charact	teristics	Linear (default); Quick open; Equal percentage; User defined						
Shell m	naterial	Aluminum						
Ingress protect	s tion	IP66						
Explosi	on-proof	ExialICT6						
Weigh	t	2.3kg						





- [1]: The default power connection is G1/2, please consult MORC for other interfaces.
- [2]: The default air connection is NPT1/4, please consult MORC for other interfaces.

PTM: positioner transmitting module; L/S: limit switch.



MSP-32 Series Smart Positioner

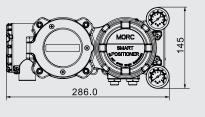


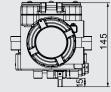
MSP-32 series implement advanced piezo sensor technology for superior performance and reliability. It can be easily setup and configured by local buttons.

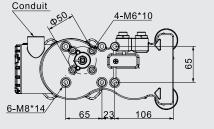
- Use piezoelectric valve electric / pneumatic conversion structure.
- Suitable for hazardous area by explosion-poof.
- Easy to install and auto-calibration.
- LCD display and on board button operation.
- Fail safe function under loss of power, loss of air supply and loss of control signal.



Model No.		MSP-32						
Input signal		4~20mA DC						
Supply pressure		0.14~0.7MPa(20~105psi)						
Stroke	Linear	10~150mm(standard);5~130mm(Adaptor)						
Stroke	Rotary	0~90°						
Impeda	ance	450Ω (without HART) , 500Ω (with HART)						
Air con	nection	NPT1/4						
Gauge co	nnection	NPT1/8						
Power co	nnection	NPT1/2,M20*1.5						
Repeat	tability	±0.5%F.S.						
Ambient	Normal temp.	-20~80°C						
temp.	Low temp.	-40~80°C						
Linearity		±0.5%F.S.						
Hyster	esis	±0.5%F.S.						
Sensiti	vity	±0.5%F.S.						
Flow ra	te	Fully open: 130L/min(@6.0bar)						
Air cons	umption	Stable condition: <0.0006Nm³/h						
Output charact	eristics	Linear (default); Quick open; Equal percentage; User defined						
Shell m	aterial	Aluminum						
Ingress	ion	IP66						
Explosio	on-proof	ExdIICT6						
Weigh	t	4.0kg						









	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	_	-	1
MSP-32	R	S	С	1	1	0	0	0	E	12	Ļ	-	
troke													
Linear —— Rotary ——	L D												
Acting type													
Single —		 - S											
Double —		- D											
Explosion-p													
ExdIICT6 -			- C										
eedback le													
Linear		•											
10~40mm(s	star	dar	d) –	1									
20~100mm	(sta	anda	ard)	- 2									
90~150mm	(sta	anda	ard)	- 3									
5~35mm(A	dap	tor)		- 4									
40~130mm													
Rotary													
NAMUR -				6									
ower conn	ecti	on ^{[1}]										
NPT1/2					- 1								
M20*1.5—					_ 2								
Air connect	tion	[2]											
NPT1/4 —						- 1							
Communica None ——	tion						_ O						
+HART —							- 1						
eedback o	otio	ns											
None —								0					
+PTM								- 1					
+L/S								- 2					
+PTM+L/S	S —							- 3					
ail option													
Fail Safe —									-E				
Hold position	on								-н				
Additiona l o	ptio	ns											
None —										- 0			
Mounting I	ora	cke	t —							_ 2			
Ambient Ter	•												
-20~80°C											S		
-40~80°C											- L		
Special Ord	er C	ode	-										

- [1] : The default power connection is G1/2, please consult MORC for other interfaces.

PTM: positioner transmitting module; L/S: limit switch.



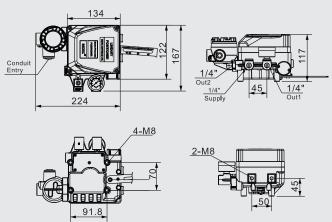
MEP-10L Series Electro-pneumatic Positioner

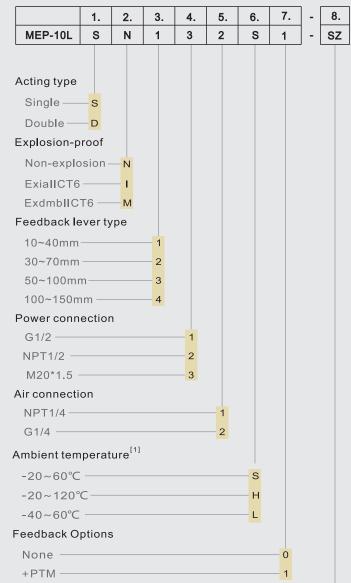


MEP-10L electro-pneumatic positioner delivers fast and accurate positioner used and general purpose. Long life service assured by robust and simple design, delivering maximum reliability in all environments while maintaining precise, accurate positioning of the control element.

- Use mechanical nozzle baffle structure
- High vibration resistance no resonance between 5 to 200 Hz.
- Direct and reverse acting, single and double acting are interchangeable.
- Robust, simple and low maintenance design.
- 1/2 Split-range control can be achieved by changing the stroke spring.

ı	Mode	el No.	MEP-10L						
ı	Inputs	ignal	4~20mA DC						
ı	Supply	pressure	0.14~0.7MPa						
ı	Pressu	re output	0~0.7MPa						
ı	Stroke		10~150mm						
ı	Imped	ance	250Ω±15Ω						
ı	Air cor	nection	NPT1/4,G1/4						
ı	Gauge co	nnection	NPT1/8						
ı	Power co	nnection	G1/2, NPT1/2, M20*1.5						
ı	Repea	tability	±0.5%F.S.						
		Normal temp.	-20~60℃						
	Ambient temp.	High temp.	-20~120°C						
		Low temp.	-40~60°C						
ı	Linear	ity	±1.0%F.S.(Single); ±2.0%F.S.(Double)						
	Hyster	esis	±1.0%F.S.						
	Sensit	ivity	±0.5%F.S.						
	Flow r	ate	80L/min(@1.4bar)						
ı	Air con	sumption	2.5L/min(@1.4bar)						
	Output charac	teristics	Linear (defau l t)						
ı	Shell material		Aluminum						
	Ingres protec	s tion	IP66						
	Explosi	on-proof	ExialICT6/ExdmbIICT6						
	Weigh	t	2.7kg						





[1]: H Only available for Non-explosion and no feedback.

Special Order Code



MEP-10R Series Electro-pneumatic Positioner



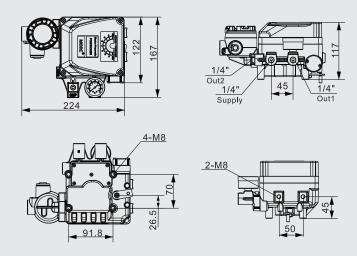


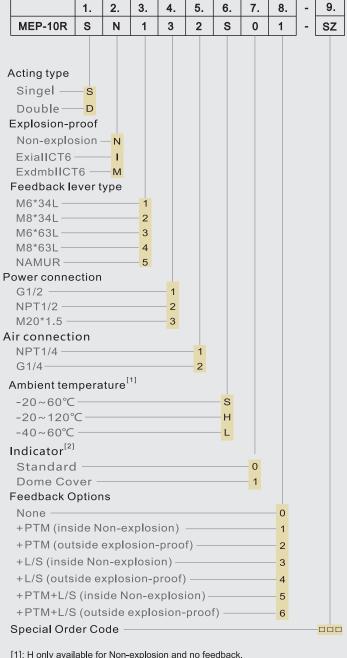


MEP-10R electro-pneumatic positioner delivers fast and accurate positioner used and general purpose. Long life service assured by robust and simple design, delivering maximum reliability in all environments while maintaining precise, accurate positioning of the control element.

- Use mechanical nozzle baffle structure
- High vibration resistance no resonance between 5 to 200 Hz.
- Direct and reverse acting, single and double acting are interchangeable.
- Robust, simple and low maintenance design.
- 1/2 Split-range control can be achieved by changing the stroke spring.

Mode	el No.	MEP-10R						
Input signal		4~20mA DC						
Supply pressure		0.14~0.7MPa						
Pressu	re output	0~0.7MPa						
Stroke	:	0~90°						
Imped	ance	250Ω±15Ω						
Air cor	nection	NPT1/4,G1/4						
Gauge co	nnection	NPT1/8						
Power co	nnection	G1/2, NPT1/2, M20*1.5						
Repea	tability	±0.5%F.S.						
	Normal temp.	-20~60°C						
Ambient temp.	High temp.	-20~120°C						
	Low temp.	-40~60°C						
Linear	ity	±1.0%F.S.(Single); ±2.0%F.S.(Double)						
Hyster	esis	±1.0%F.S.						
Sensit	ivity	±0.5%F.S.						
Flow ra	ate	80L/min(@1.4bar)						
Air con	sumption	2.5L/min(@1.4bar)						
Output charac	teristics	Linear (default)						
Shellr	naterial	Aluminum						
Ingres protec	s tion	IP66						
Explosi	on-proof	ExiaIICT6/ExdmbIICT6						
Weigh	t	2.8kg						





- [1]: H only available for Non-explosion and no feedback.
- [2]: Dome Cover only available for outside of L/S.

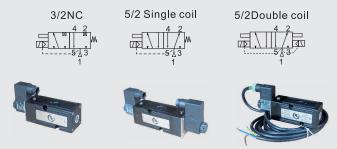
PTM: positioner transmitting module; L/S: limit switch.



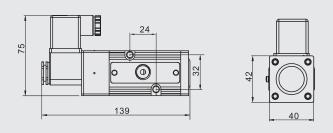
MC50 Series Non-explosion Type 1/4"

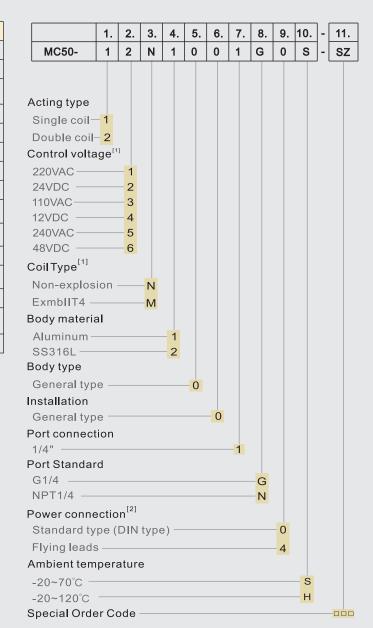


- Pilot-operated type;
- Convertible from 3-way(3/2) to 5-way(5/2). For 3-way, normally closed type is default option.
- Adopt Namur mounting standard, directly mounted to actuator, or by tubing.
- Sliding spool valve with good seal and fast response.
- Low starting pressure, long lifespan.
- Manual override.
- Body material aluminum or SS316L.



Mode	el No.	MC50-XXN MC50-XX						
Voltage		12/24/48V DC; 110/220/240VAC						
Acting	type	Single coil, Double coil						
Power Consu	mption	220VAC: 5.5VA; 24VDC: 3W						
Insulation	on class	F class						
Working	medium	Clean air (after 40 um filtrati	on)					
Air pre	ssure	0.15~0.8MPa						
Port cor	nnection	G1/4, NPT1/4						
Power co	nnection	DIN connector Flying leads						
Ambient	Normal temp.	-20~70°C						
Temp.	High temp.	-20~120℃						
Explosi	on-proof	Non-explosion	Ex mb II T4					
Ingres	s tion	IP65						
Installa	ation	32*24Namur or Tubing						
Sectio / Cv	n area	25mm²/1.4						
Body n	naterial	Aluminum or SS316L						





- $\begin{tabular}{l} [1]: Non-explosion-proof coil default without indicator, if you need to wear led coil please indicate. \end{tabular}$
- [2]: Non-explosion only optional standard type, Pouring seals explosion only optional flying leads.



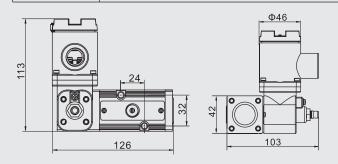
MC50 Series Explosion-proof 1/4"

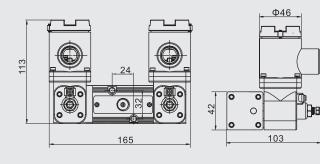


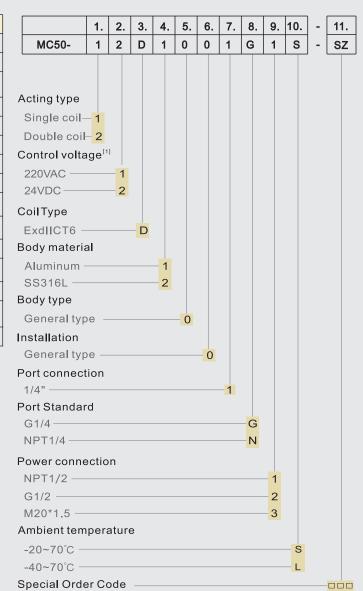
- Pilot-operated type;
- Convertible from 3-way(3/2) to 4-way(5/2). For 3-way, normally closed type is default option.
- Adopt Namur mounting standard, directly mounted to actuator, or by tubing.
- Sliding spool valve with good seal and fast response.
- Low starting pressure, long lifespan.
- Manual override.
- Body material aluminum or SS316L.



Model No.		MC50-XXD					
Voltage	е	24V DC; 220VAC					
Acting	type	Single coil, Double coil					
Power Consu	mption	220VAC: 5.0VA; 24VDC: 3.5W					
Insulatio	on class	F class					
Working	medium	Clean air (after 40 um filtration)					
Air pressure		0.15~0.8MPa					
Port connection		G1/4, NPT1/4					
Power connection		NPT1/2, M20*1.5, G1/2					
Ambient	Normal temp.	-20~70°C					
Temp.	Low temp.	-40~70°C					
Explosi	on-proof	ExdIICT6; Ex tD A20 T85°C					
Ingress protection		Ip66					
Installation		32*24Namur or Tubing					
Sectio / Cv	n area	25mm²/1.4					
Body n	naterial	Aluminum or SS316L					







 $\hbox{[1]: Please consult MORC for additional voltage specifications.}\\$



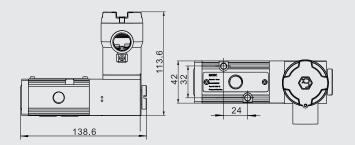
MC50 Series Intrinsically Safe Type 1/4"

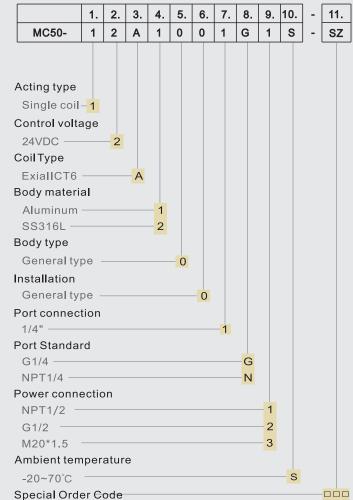


- Pilot-operated type;
- Convertible from 3-way(3/2) to 4-way(5/2). For 3-way, normally closed type is default option.
- Adopt Namur mounting standard, directly mounted to actuator, or by tubing.
- Sliding spool valve with good seal and fast response.
- Low starting pressure, long lifespan.
- Manual override.
- Body material aluminum or SS316L.



Model No.	MC50-XXA						
Voltage	24V DC						
Acting type	Single coil, Double coil						
Power Consumption	1.0W						
Insulation class	F class						
Working medium	Clean air (after 40 um filtration)						
Air pressure	0.15~0.8MPa						
Port connection	G1/4, NPT1/4						
Power connection	NPT1/2, M20*1.5, G1/2						
Ambient Temp.	-20~70°C						
Explosion-proof	ExiaIICT6						
Ingress protection	IP66						
Installation	32*24Namur or Tubing						
Section area / Cv	25mm²/1.4						
Body material	Aluminum or SS316L						





MC50 Series Non-explosion 3/2 or 5/2 Type 1/8"~1/2"

(€ \$11.3

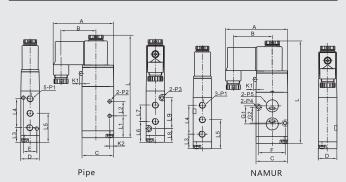
- Pilot-operated, normally closed type is default option.
- Sliding spool valve with good seal and fast response.
- Low starting pressure, long lifespan.
- Manual override.
- Direct mount to pneumatic actuator or tubing connection.







Port Size		1/8" 1/4" 3/8" 1/2								
Voltage)	12/24/48VDC; 110/220/240VAC								
Acting	type	Single coil,	Double coi	I						
Power Consur	nption	220VAC: 5	220VAC: 5.5VA; 24VDC: 3W							
Insulati	on class	F class								
Working	medium	Clean air (a	Clean air (after 40 um filtration)							
Air pres	ssure	0.15~0.8MPa								
Port co	nnection	DIN connector								
Ambient	Normal temp.	-20~70°C								
Temp.	High temp.	-20~120°C								
Ingress	protection	IP65								
Installa	tion	32*24Namur or Tubing								
Section	area / Cv	14mm²/0.78	25mm²/1.4	30mm²/1.68	50mm²/2.79					
Body m	aterial	Aluminum								



Dimensio	n											ı	Jnit :	mm
Port Item	Α	В	С	D		E	F		L	L1	L2	L3	L4	L5
1/8"	66.5	40	35	22	2 1	17	29	1	16.5	21.5	20	13.5	36	31.5
1/4"	69	40	35	27	7 2	20	32	1	34.5	28	24	17.5	45	40
3/8"	69	40	40	27	7 2	20	32	1	134.5	28	24	17.5	45	40
1/2"	74	-	50	34	1 2	27	45	168		43	28	25.5	63	57
Port Item	L6	L7	L8	L9	G1	G2	: K	1	K2	P1	P2/P	3 P4		P5
1/8"	22.5	16	12.5	36	23	20	3	3	8	G1/8	Ф3.	2 Ф3.	2 Ф18	3/1.4
1/4"	29	22	15	50	-	24	2.	.4	6.5	G1/4	Ф4.3	3 Ф4.	3 Ф20)/1.4
3/8"	29	22	15	50	-	24	2.	.4	6.5	G3/8	Ф4.3	3 Ф5.	5 Ф20)/1.4
1/2"	39	36	21	72	-	40	2.	.5	13.5	G1/2	Ф4.	3 Ф5.	5	-

Note: This table lists only the consistent form factor of the in/out/exhaust port size, please contact MORC for other model sizes \Box

/2"		1.	2.	3.	4.	5.	6.	7.	8.	9.	10.]_	11.
	MC50-	1	2	N	1	1	1	1	G	0	s	-	sz
m²/2.79	MC50-												
- 1	Inlet/outlet - 1/4"-1/4" — 1/2"-1/2" — 1/8"-1/8" — 3/8"-3/8" — 1/4"-1/8" —	Exh	naus	t po	rt co	nne	ctior	-1 -2 -3 -4 -5					
Unit : mm	3/8"-1/4" — 1/2"-3/8" —							- 6 - 7					
L4 L5 5 36 31.5 5 45 40 5 45 40 5 63 57	Port Standar G								-G -N				
5 63 57	Power conne Standard ty			tvn	o)					0			
P4 P5	Ambient tem				e) –					- 0			
3.2 Ф18/1.4 4.3 Ф20/1.4	-20~70°C	۰,۰۰۰	J. G.								- S		
5.5 Ф20/1.4	-20~120°C										— Н		
5.5 -	Special Orde	er C	ode										

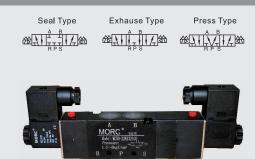
- [1]: Please consult MORC for additional voltage specifications.
- $\label{eq:continuous} \ensuremath{\texttt{[2]}}: \ensuremath{\mathsf{Non-explosion-proof}}\xspace \ensuremath{\mathsf{coil}}\xspace \ensuremath{\mathsf{default}}\xspace \ensuremath{\mathsf{without}}\xspace \ensuremath{\mathsf{indicator}}\xspace, \ensuremath{\mathsf{If}}\xspace \ensuremath{\mathsf{you}}\xspace \ensuremath{\mathsf{need}}\xspace \ensuremath{\mathsf{to}}\xspace \ensuremath{\mathsf{child}}\xspace \ensuremath{\mathsf{child}}\xspace \ensuremath{\mathsf{child}}\xspace \ensuremath{\mathsf{length}}\xspace \ensuremath{\mathsf{child}}\xspace \ensuremath{\mathsf{c$



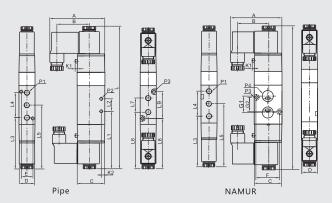
MC50 Series Non-explosion 5/3 Type 1/8"~1/2"



- Pilot-operated, normally closed type is default option.
- Sliding spool valve with good seal and fast response.
- Low starting pressure, long lifespan.
- Manual override.
- Direct mount to pneumatic actuator or tubing connection.



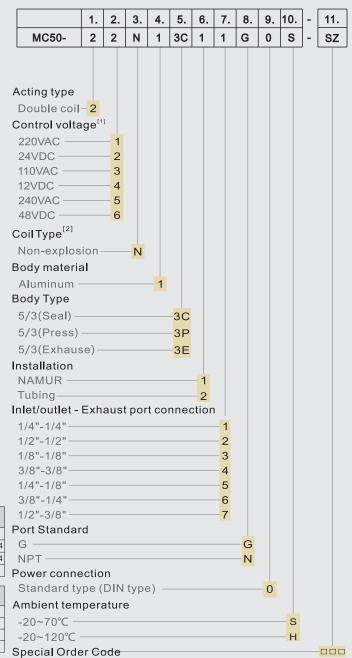
Port	Size	1/8"	1/4"	3/8"	1/2"				
Voltage)	12/24/48VDC; 110/220/240VAC							
Acting	type	Single coil,	Double coi	I					
Power Consur	nption	220VAC: 5	.5VA; 24VD	C: 3W					
Insulati	on class	F class							
Working	medium	Clean air (a	Clean air (after 40 um filtration)						
Air pres	ssure	0.15~0.8MPa							
Port co	nnection	DIN connector							
Ambient	Normal temp.	-20~70°C							
Temp. High temp.		-20~120℃							
Ingress protection		IP65							
Installation		32*24Namur or Tubing							
Section	area / Cv	14mm²/0.78	25mm²/1.4	30mm²/1.68	50mm²/2.79				
Body m	aterial	Aluminum							



Dimensio	n									ι	Jnit :	mm
Port	А	В	С	D	Е	F	L	L1	L2	L3	L4	L5
1/8"	66.5	40	35	22	17	29	169.8	75	20	57	36	85
1/4"	69	40	35	27	20	32	188.8	82.4	24	71.9	45	94.4
3/8"	69	40	40	27	20	32	188.8	82.4	24	71.9	45	94.4
1/2"	74	-	50	34	27	45	222	97	28	79.5	63	111

Port Item	L6	L7	L8	L9	G1	G2	K1	K2	P1	P2/P3	P4	P5
1/8"	76	16	66	36	23	20	3	8	G1/8	Ф3.2	Ф3.2	Ф18/1.4
1/4"	83.4	22	69.4	50	-	24	2.4	6.5	G1/4	Ф4.3	Ф4.3	Ф20/1.4
3/8"	83.4	24	69.4	50	-	24	2.4	6.5	G3/8	Ф4.3	Ф5.5	Ф20/1.4
1/2"	93	36	75	72	-	40	2.5	13.5	G1/2	Ф4.3	Ф5.5	-

Note: This table lists only the consistent form factor of the in/out/exhaust port size, please contact MORC for other model sizes.



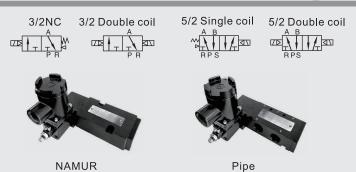
- [1]: Please consult MORC for additional voltage specifications.
- $\label{eq:continuous} \ensuremath{\text{[2]:}}\xspace \ensuremath{\text{Non-explosion-proof coil default without indicator,}}\xspace \ensuremath{\text{If you need to}}\xspace \ensuremath{\text{LED indicators please indicate.}}\xspace$



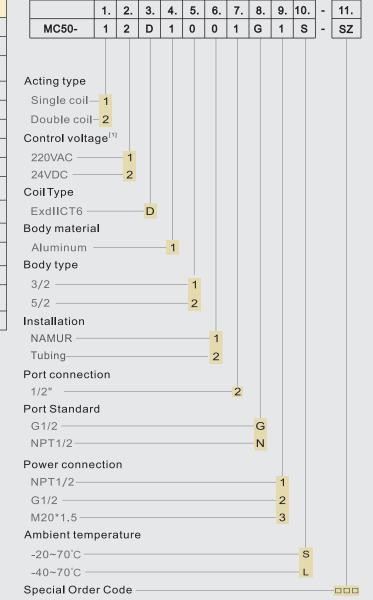
MC50 Series Explosion-proof Type 1/2"

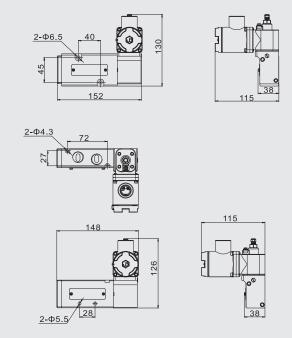


- Pilot-operated, normally closed type is default option.
- Sliding spool valve with good seal and fast response.
- Low starting pressure, long lifespan.
- Manual override.
- Direct mount to pneumatic actuator or tubing connection.



Mode	el No.	MC50-XXD				
Voltage	€	24V DC; 220VAC				
Acting	type	Single coil, Double coil				
Power Consu	mption	220VAC: 5.0VA; 24VDC: 3.5W				
Insulation	on class	F class				
Working	medium	Clean air (after 40 um filtration)				
Air pre	ssure	0.15~0.8MPa				
Port cor	nection	G1/2				
Power co	nnection	NPT1/2, M20*1.5, G1/2				
Ambient	Normal temp.	-20~70°C				
Temp.	Low temp.	-40~70°C				
Explosi	on-proof	ExdIICT6; ExtD A20 T85°C				
Ingress protection		IP66				
Installation		45*40Namur or Tubing				
Section area / Cv		50mm²/2.79				
Body m	naterial	Aluminum				







MC-22 Series Air Filter Regulator



MC-22 series air filter regulator ables to accurately control pressure, as well as filter solid particles above 5 microns, and liquids from compressed air. Provide clean air source for air receiving equipment.

- Die-cast aluminum body material with a polyester coating, which gives a long life and protects against corrosion. SS316L material is optional, suitable for severe corrosive environment.
- Quick response, stable pressure output even when inlet pressure and flow fluctuate.
- Filter solid particles with a minimum diameter of 5 microns and self-cleaning function.
- Designed with 3 air outlets, installation direction can be easily adjusted.
- Manual or auto drain function is available.

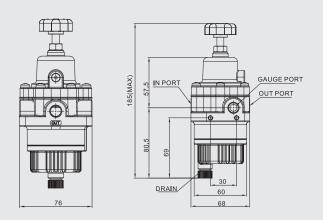


Manual drain

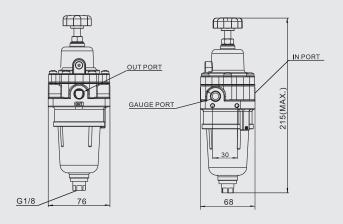
Auto drain

Model No.		MC-22				
Max.input pre	essure	1.5MPa				
Output pressure		0~1.0MPa ^[1]				
Working medium		Compressed air				
Ambient temp.		-20~70°C; -20~120°C; -40~70°C				
Min. filterin	g size	5μm				
Air connec	ction	NPT1/4 ; G1/4				
Body material		Die-cast Aluminum; SS316L				
Aluminum		Manual drain: 0.6kg; Auto drain: 0.65kg;				
Weight	3316	Manual drain: 1.95kg				

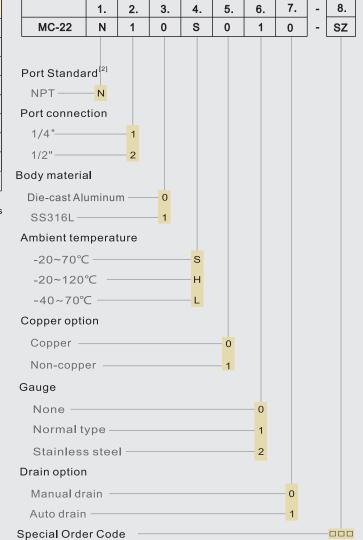
[1]: The pressure gauge range is 0~1.0 MPa, for other specifications please consult MORC .



Manual drain



Auto drain



[2]: The default screw standard is NPT, please consult MORC for other standards.



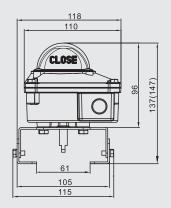
MLS100 Series Limit Switch Box

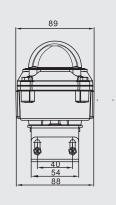
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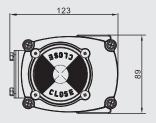
MLS100 series limit switch box have a proven track record for accurate and reliable signaling in linear and rotary applications. Providing both visual and remote electrical position indications, these cost-effective, compact unit unparalleled performance with ease of installation and calibration.

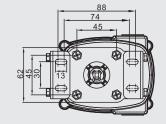
- Lightweight, dome shaped visual indicator with contrast color design.
- Rotary position indicator with NAMUR standard.
- Anti-detachment bolt, it will never missed during disassembly...
- Two cable entries for easy installation.
- IP67 and UV resistance, suitable for outdoor use.

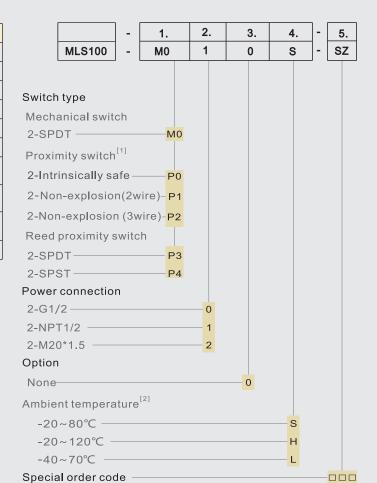
Model No.	MLS100					
Body material	Die-cast Aluminum					
Outer coating	Polyester coating					
Power connection	M20*1. 5, NPT1/2, or G1/2					
Ingress protection	IP67					
Stroke	90°					
Switch type	Mechanical switch or proximity switch					
Mechanical switch rating	16A 125VAC/250VAC, 0.6A 125VDC, 10A 30VDC					
Proximity switch rating	Intrinsically safe: 8VDC, NC Non-explosion proof: 10~30VDC, ≤150mA					
Reed proximity switch rating	24V 0.3A					
Ambient temp.	-20~70°C, 20~120°C, or -40~80°C					











Note 1: By default, two wires intrinsically safe proximity switch (P0) at normally closed status; two wires non-explosion proof proximity switch (P1) at normally open status; three wires non-explosion proof proximity switch (P3) requires customer to select normally open or normally close.



MLS300 Series Limit Switch Box

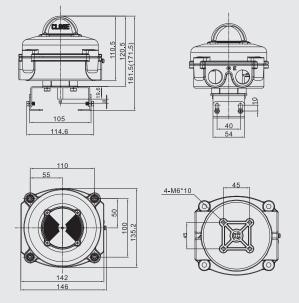
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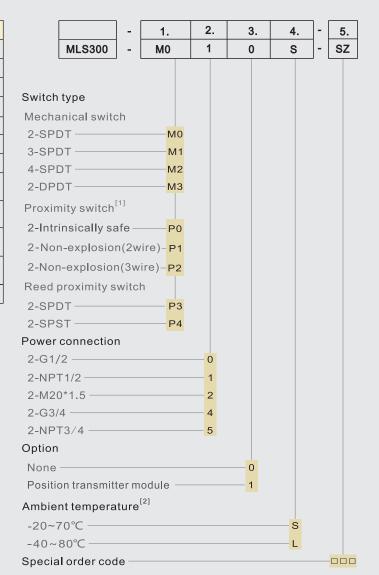
MLS300 series limit switch box have a proven track record for accurate and reliable signaling in linear and rotary applications. Providing both visual and remote electrical position indications, these cost-effective, compact unit unparalleled performance with ease of installation and calibration. Rugged, corrosion-resistant enclosures

have multiple switch options and meet IP67 standards. Intrinsically safe and explosion proof designs ensure safe reliable operation in hazardous environment.

- Simple design and clear indicator display with contrast color design.
- Rotary position indicator with NAMUR standard.
- Anti-detachment bolt, it will never missed during disassembly.
- Two cable entries for easy installation.
- Ability to add a 4~20 mA transmitter to provide feedback.
- Explosion proof housing or intrinsically safe electronics suitable for hazardous environment.

Model No.	MLS300
Body material	Die-cast Aluminum
Outer coating	Polyester coating
Power connection	M20*1. 5、NPT1/2, NPT3/4,G3/4 or G1/2
Explosion-proof	ExdIICT6
Ingress protection	IP67
Stroke	90°
Switch type	Mechanical switch or proximity switch
Mechanical switch rating	16A 125VAC/250VAC, 0.6A 125VDC, 10A 30VDC
Proximity switch rating	Intrinsically safe: 8VDC, NC Non-explosion proof: 10~30VDC, ≤150mA
Reed proximity switch rating	24V 0.3A
Position transmitter	4~20mADC
Ambient temp.	-20~70℃, 20~120℃, or -40~80℃





Note 1: By default, two wires intrinsically safe proximity switch(P0) at normally closed status; two wires non-explosion proof proximity switch (P1) at normally open status; three wires non-explosion proof proximity switch (P3) requires customer to select normally open or normally close. Note 2: Only mechanical switch (M0) can be used in high ambient temperature. Only intrinsically safe proximity switch (P0) can be used in high ambient temperature.



MLS500 Series Limit Switch Box

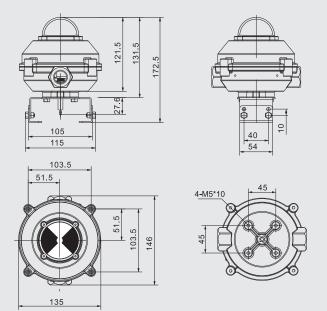
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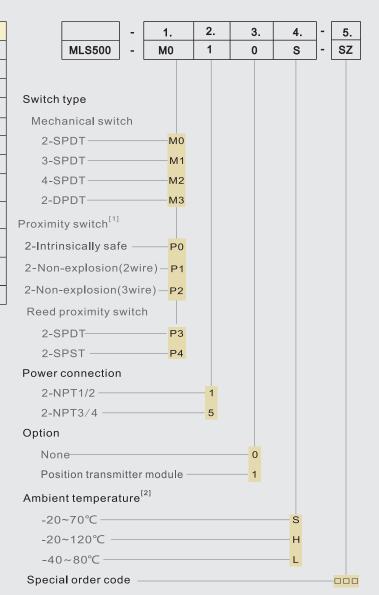
MLS500 series limit switch box have a proven track record for accurate and reliable signaling in linear and rotary applications. Providing both visual and remote electrical position indications, these cost-effective, compact unit unparalleled performance with

easeof installation and calibration. Rugged, corrosion-resistant enclosures have multiple switch options and meet IP67 standards. Intrinsically safe and explosion proof designs ensure safe reliable operation in hazardous environment.

- \blacksquare Simple design and clear indicator display with contrast color design.
- Rotary position indicator with NAMUR standard.
- Robust stainless steel 316 body for harsh environment.
- Two cable entries for easy installation.
- Ability to add a 4~20 mA transmitter to provide feedback.
- Explosion proof housing or intrinsically safe electronics suitable for hazardous environment.

Model No.	MLS500					
Body material	SS 316L					
Outer coating	Polyester coating					
Power connection	NPT3/4, or NPT1/2					
Explosion-proof	ExdIICT6					
Ingress protection	IP67					
Stroke	90°					
Switch type	Mechanical switch or proximity switch					
Mechanical switch rating	16A 125VAC/250VAC, 0.6A 125VDC, 10A 30VDC					
Proximity switch rating	Intrinsically safe: 8VDC, NC Non-explosion proof: 10~30VDC, ≤150mA					
Reed proximity switch rating	24V 0.3A					
Position transmitter	4~20mADC					
Ambient temp.	-20~70℃, 20~120℃, or -40~80℃					





Note 1: By default, two wires intrinsically safe proximity switch (P0) at normally closed status; two wires non-explosion proof proximity switch (P1) at normally open status; three wires non-explosion proof proximity switch (P3) requires customer to select normally open or normally close. Note 2: Only mechanical switch (M0) can be used in high ambient temperature. Only intrinsically safe proximity switch (P0) can be used in high ambient temperature.



MLS800 Series Limit Switch Box

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MLS800 series limit switch box have a proven track record for accurate and reliable signaling in linear and rotary applications. Providing both visual and remote electrical position indications, these cost-effective, compact unit unparalleled performance with ease of installation and calibration. Rugged, corrosion-resistant

enclosures have multiple switch options and meet IP67 standards. Intrinsically safe and explosion proof designs ensure safe reliable operation in hazardous environment.

- Simple design and clear indicator display with contrast color design.
- Used for linear valve with NAMUR standard.
- SS316L or Die-cast aluminum material body option.
- Two cable entries for easy installation.
- Ability to add a 4~20 mA transmitter to provide feedback.
- Explosion proof housing or intrinsically safe electronics suitable for hazardous environment.



MLS800N

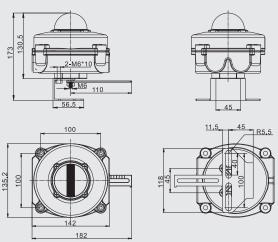




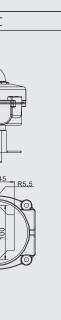
MLS800C

MLS800S

Model No.	MLS800					
Body material	Die-cast Aluminum or SS316L					
Outer coating	Polyester coating					
Power connection	M20*1. 5、NPT1/2, NPT3/4,G3/4 or G1/2					
Explosion-proof Non-explosion or ExdIICT6						
Ingress protection	IP67					
Stroke	10~100mm					
Switch type	Mechanical switch or proximity switch					
Mechanical switch rating	16A 125VAC/250VAC, 0.6A 125VDC, 10A 30VDC					
Proximity switch rating	Intrinsically safe: 8VDC, NC Non-explosion proof: 10~30VDC, ≤150mA					
Reed proximity switch rating	24V 0.3A					
Position transmitter	4~20mADC					
Ambient temp.	-20~70°C, 20~120°C, or -40~80°C					



MLS800C



	1	2.	3.	4.	5.	- 6
MLS800	N -	M0	1	0	S	- s
ody materia						
Non-explosion (Aluminum) Explosion-pro (Aluminum) Explosion-pro (SS316L)	oof—C					
Switch type						
Mechanicals	switch					
2-SPDT-		Мо				
3-SPDT		— M1				
4-SPDT-		M2				
2-DPDT-		М3				
Proximity sw	ritch ^[1]					
2-Intrinsical	ly safe —	P0				
2-Non-explo	osion(2 wire)	P1				
2-Non-explo	osion(3 wire)	P2				
Reed proxim	ity switch					
2-SPDT —		P3				
2-SPST —		P4				
Power conne	ction					
2-G1/2(Only	y 800N/C) -		0			
2-NPT1/2 —			1			
2-M20*1.5(0	Only 800N/C	;) ——	2			
2-G3/4(Only	/800C) —		4			
2-NPT3/4(0	Only 800C/S) ——	5			
Option	•					
None —				— 0		
Position tran	smitter modu	le		<u> </u>		
Ambient tem	perature ^[2]					
-20~70°C −					- s	
-20~120°C					— н	
-40~80°C-					— L	
Special order	code					

Note 1: By default, two wires intrinsically safe proximity switch (P0) at normally closed status; two wires non-explosion proof.

Note 2: Position transmitter module not available to non-explosion proof type.

Note 3: Only mechanical switch (M0) can be used in high ambient temperature. Only intrinsically safe proximity switch (P0) can be used in high ambient temperature.



MAP Series Pneumatic Actuator

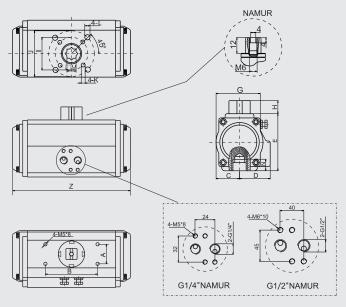


MAP series combined strength and compactness of design to have both single and double acting pneumatic actuators. The rack and pinion actuator is available for rotation of 90 degree, suitable for both on-off and modulation applications. Direct mounting installaion minimize misalignment and contamination between valve and actuator.

- Multifunctional position indicator with Namur-standard mounting slot for easy installation of various accessories such as valve positioner, limit switch, etc.
- The high-precision integrated gear output shaft is made of nickel-plated alloy steel and meets ISO5211, DIN3337, Namur standard.
- The actuator body surface is treated with hard oxidation, and the end cap is coated with polyester. Metal powder spraying, PTFE coating or nickel plating are optional.
- Adjusting screws limit the travel of actuator to specific degrees of rotation in both and closed directions



Model No.	MAP
Body material	Aluminum alloy
Air connection	G1/4 or G1/2
Working medium	Dry or lubricated compressed air or non- corrosive gas, the impurity particles in the medium are less than 30 microns.
Air pressure	0.3~0.8MPa
Ambient temp.	-20~70°C, 20~120°C, or -40~80°C
Stroke angle	90° ±5°
Output torque	See the MAP series for details



Note: the details of dimension see MAP series .



[1]: Defined angle example: MAP92DT(120)SFC Three position example: MAP92D3P(180)SFC



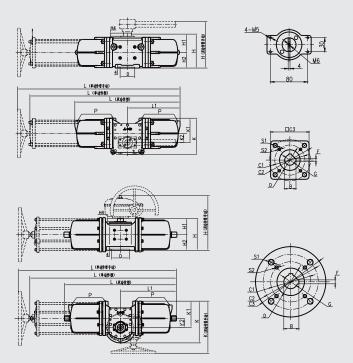
MAPF/B Series Pneumatic Actuator



MAPF / B series pneumatic actuator is widely used for control valve with high torque requirement. It is a fork-piston type structure, adopts the latest technology design, beautiful appearance and compact structure. It is suitable for the control of rotary valves, such as butterfly valves, ball valves and dampers.

- It adopts a fork transmission mechanism to convert linear motion into rotary motion. It is suitable for the control of 90° rotating of medium and large size valves. Double cylinders works in the same time to produce large output torque and smooth operation.
 Switch position can be adjusted in both directions, adjustment range ± 5°.
 The top connection adopts New York and the control of the connection adopts the connection
- The top connection adopts Namur standard, which can be easily installed with limit switch, valve positioner and other accessories, and can clearly indicate the valve position.
 The bottom flange adopts the ISO5211 standard size, and two sets of mounting holes are reserved for easy installation with valve.

Model No.	MAPF/B
Body material	Aluminum alloy
Air connection	Rc1/4、Rc3/8 or G1/2
Working medium	Dry or lubricated compressed air or non- corrosive gas, the impurity particles in the medium are less than 30 microns.
Air pressure	0.3~0.7MPa
Ambient temp.	-20~70°C, 20~120°C, or -40~80°C
Stroke angle	90° ±5°
Output torque	See the MAPF/B series for details



Note: the details of dimension see MAPF/B series .

	1.	2.	3.	4.	5.	6.		7.
MAPF/B	83	S	G	0	0	FC] -	SZ
Andal Na								
Model No. MAPF								
130	130							
170	—170							
200	—200							
250	250							
280	—280							
320	320							
MAPB								
355	355							
400	400							
490	490							
600	-600							
700								
800	800							
Acting type	, ,							
Single(M	APF)—	_ S						
Single(M	APB)—	- S1						
Single(M.	APB)—	- S2						
Double -		— D						
Special par	rametei	r ^[2]						
-20~70°			S					
0~120°C			—н					
-40~70°			— L					
Stainless	s steel f	asten	er-N					
Quick ac	tion on-	off —	— F					
Quick ac			_					
High freq	uency	on-off	Q					
		on-off	Q					
High freq Accessory ^{[*} None —	3]		Q	O				
High freq Accessory ⁱ None — With har	ndwhee	el ——	Q	— 0 — G				
High freq Accessory ^{li} None — With har Worm ge	ndwhee	el ——	Q	-				
High freq Accessory ^{li} None — With har Worm ge	ndwhee	el ——	Q	G				
High freq Accessory ^E None — With har Worm ge special fun Standard	ndwhee earbox ction	el —		— G — Н	— o			
High freq Accessory ^{l:} None — With har Worm ge special fun	ndwhee earbox ction	el —		— G — Н	— 0 — 2P			
High freq Accessory ^E None — With har Worm ge special fun Standard	adwhee earbox ction e mech	anical	contro	— G — Н				
High freq Accessory ^E None — With har Worm ge special fun Standard Two-stag	adwhee earbox ction e mech	anical	contro ration -	— G — Н	2P			
High freq Accessory ^E None — With har Worm ge special fun Standard Two-stag PST onlin	adwhee earbox ction e mech	anical e calib	contro ration -	— G — Н	- 2P - PST			
High freq Accessory ^E None — With har Worm ge special fun Standard Two-stag PST onlin Opening	andwhee earbox ction e mech ne range limit sto	anical e calibo	contro ration -	— G — Н	- 2P - PST - P			
High freq Accessory ^E None — With har Worm ge special fun Standard Two-stag PST onlir Opening Offshore	andwhee earbox ction e mech e range limit sto platforr	anical e calib ppper - m ——	contro ration -	— <mark>G</mark> — Н	- 2P PST P OF			
High freq Accessory ¹ None — With har Worm ge special fun Standard Two-stag PST onlir Opening Offshore natural ga With med	endwhee earbox ction e mech e range limit sto platforr as supp	anical e calib ppper - m —— lly —	contro ration -	G H	PST P OF AS JS			
High freq Accessory ¹ None — With har Worm ge special fun Standard Two-stag PST onlir Opening Offshore natural ga With med	endwhee earbox ction e mech e range limit sto platforr as supp	anical e calib ppper - m —— lly —	contro ration -	G H	- 2P - PST - P - OF - AS			
High freq Accessory ¹ None — With har Worm ge special fun Standard Two-stag PST onlir Opening Offshore natural ga With med With hydrothers —	ndwhee earbox ction e mech ne range limit sto platforr as supp hanical	anical e calib ppper - m —— lly — l locking	contro ration - ng funct functio	G H	PST P OF AS JS YS			
High frequences of the control of th	ndwhee earbox ction e mech ne range limit sto platforr as supp hanical raulic lo	anical e calib ppper - m —— lly — l locking	contro ration - ng funct functio	G H	PST P OF AS JS YS	FC		
High freq Accessory ¹ None — With har Worm ge special fun Standard Two-stag PST onlir Opening Offshore natural ga With med	ndwhee earbox ction e mech ne range limit sto platforr as supp hanical raulic lo	anical e calib ppper - m —— lly — l locking	contro ration - ng funct functio	G H	PST P OF AS JS YS	FC		

- [1]: S1 working pressure 3 7 bar; S2 working pressure 4 7 bar
- [2]: High frequency on-ff means 600,0000 times(Double only)
- [3]: MAPF130D uses handwheel, MAPF130S-320S uses handwheel on side, the rest uses gearbox.



MAQ Series Rotary Electric Actuator



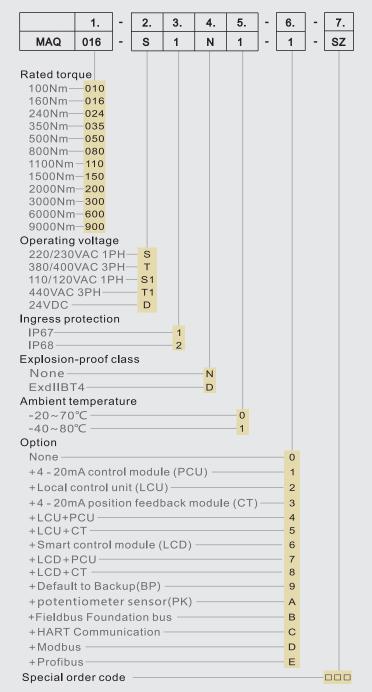


MAQ series electric actuators have the advantages of high performance, high protection, small size, high integration, long service life and stable performance. They are suitable to control the 90 ° rotating ball valves, butterfly valves, damper baffles and other equipments.

- ■The aluminum alloy case is treated with hard anodizing and polyester powder with IP67 ingress protection.
- ■Fully enclosed squirrel cage induction motor with high starting torque.
- ■Built-in handwheel, convenient for on-site operation.
- ■Double-turbine rod mechanism and two-stage reduction gearbox can prevent the valve from being inaccurate due to instantaneous overturn, prevent reverse and ensure accurate and reliable valve position.
- ■Built-in limit switch and torque protection function.
- ■Two limit bolts used on actuator on-off position to prevent the shaft in the actuator from disengaging.



Model No.	MAQ
Ingress protection	IP67, NAMUR4&6
Operating voltage	110V/220VAC±10% 1PH 50/60Hz; 380/400/440VAC 3PH 50/60Hz
Operating mode (on-off)	S2: 10~30分 / S4: 20~50%
Operating mode (modulating)	S4:30%~50%,300~1200times/h
Motor	Fully enclosed squirrel cage induction motor, class F
Limit switch	4×SPDT, 250VAC 10A
Torque switch	2×SPDT, 250VAC 10A
	(not available to MAQ10)
Moto protection	Over-heat switch, on at 150+/-5, off at 97+/-15
Stroke	90 ± 5°
Position indication	Continuous indicator
Handwheel	Included
Self-locking function	Included
Mechanical limit	On and off stopper included (adjustable)
Anti-condensation heater	5W(110/220VAC)
Power connection	2×PF3/4
Ambient temp.	-25~ 50°C; optional -40 - 80°C
Ambient humidity	10~100%, No condensate
Anti-vibration performance	XYZ 10g 0.2~34Hz, 30min
Body material	Aluminum alloy case, treated with hard anodizing and polyester powder





MTS Series Multi-turn Electric Actuator



MTS series delivering positioning accuracy for control and modulating functions. proven safety with explosion-proof certification, torque overload protection. Superior process monitoring and information shown on local LCD display. The torque ranges are between 28 Nm and 3000Nm, when combined with a gearbox, the maximum torque is multiplied.

- Non-intrusive flameproof design, adjustment without parameter opening, parameter setting and fault diagnosis.
- With multiple protections such as torque protection, valve position limit protection, instantaneous reverse protection, power phase .
- Optional for linear, quick-open, etc.
- Polyester powder coated die-cast aluminum cover for exceptional corrosion, wear impact and UV resistance.



Model No.	MTS
Ingress protection	IP67 or IP68
Operating voltage	220VAC 50/60 Hz 1PH; 380VAC 50/60Hz 3PH
Operating mode	On-off: S2:10~30min; S4: 20~50%, max. 600times/h modulate: S4: 30~50%, max.1200times/h
Motor	Fully enclosed squirrel cage induction motor, class F
Limit switch	2×SPDT, 250VAC 10A
Torque switch	Electronic control
Position indication	LCD
Flange standard	ISO5211
Self-locking function	Included
Handwheel	Included
Power connection	2-1"+1 1/2NPT or 2-M25+1*M40
Ambient temp	20~70℃
Ambient humidity	10~100%, No condensate
Body material	Aluminum alloy case, treated with hard anodizing and polyester powder



[1]: Rated torque is based on 18 rpm motor speed, please contact MORC for other motor speed.



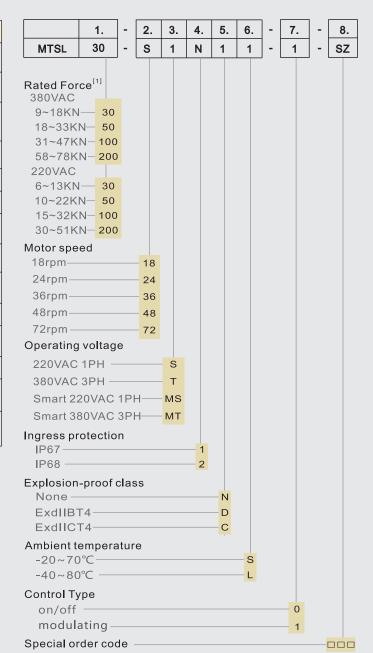
MTSL Series Linear Type Electric Actuator

MTSL series linear type electric actuators are thrust-type straight-stroke actuators derived from MTS series multi-turn actuators.

- Polyester powder coated die-cast aluminum cover for exceptional corrosion, wear impact and UV resistance.
- With multiple protections such as torque protection, valve position limit protection, instantaneous reverse protection, power phase .
- Optional for linear, quick-open, etc.
- Optional for multiple industrial control buses.



Model No.	MTSL
Ingress protection	IP67 or IP68
Operating voltage	220VAC 50/60 Hz 1PH; 380VAC 50/60Hz 3PH
Operating mode	On-off: S2:10~30min; S4: 20~50%, max. 600times/h modulate: S4: 30~50%, max.1200times/h
Motor	Fully enclosed induction squirrel cage motor, class F
Limit switch	2×SPDT, 250VAC 10A
Torque switch	Electronic control
Position indication	LCD
Flange standard	ISO5211
Self-locking function	Included
Handwheel	Included
Power connection	2-1"+1 1/2NPT or 2-M25+1*M40
Ambient temp.	-20~70℃
Ambient humidity	10~100%, No condensate
Body material	Aluminum alloy case, treated with hard anodizing and polyester powder

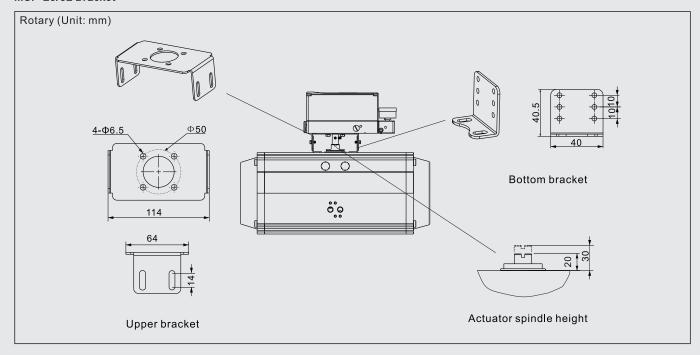


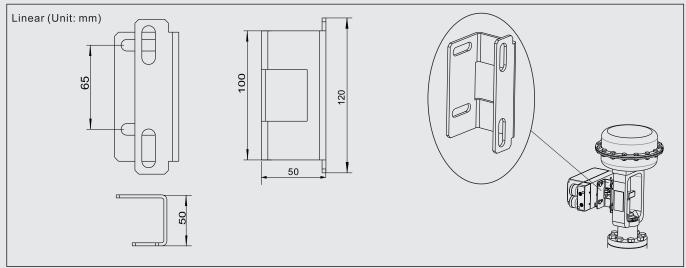
Note 1: Rated torque is based on 18 rpm motor speed, please contact MORC for other motor speed.



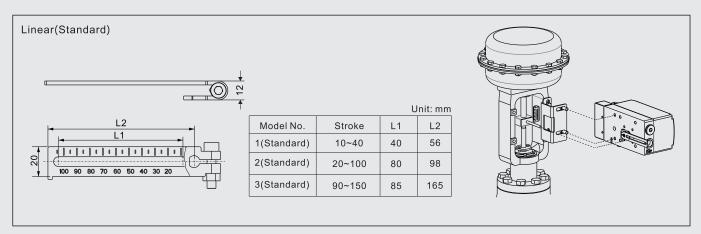
Valve Positioner Accessories GA Drawing

MSP-25/32 Bracket





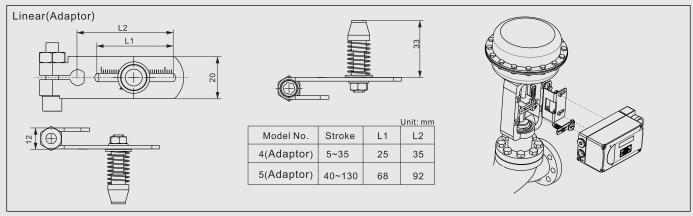
MSP-25/32 Levers

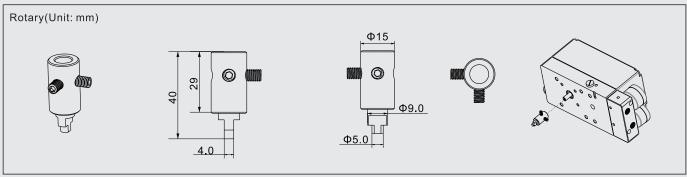




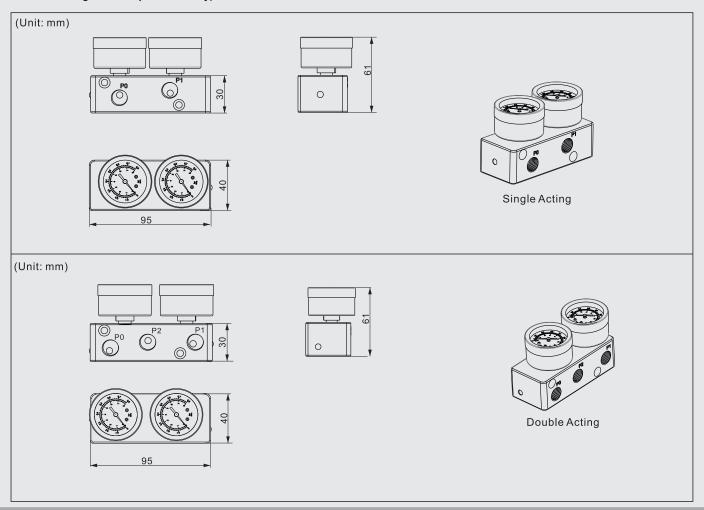
Valve Positioner Accessories GA drawing

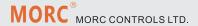
MSP-25/32 Bracket





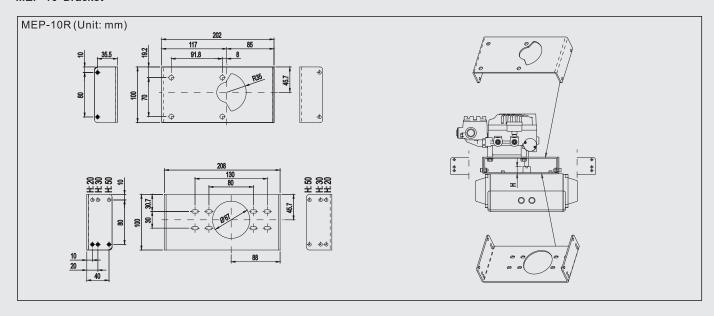
Pressure Gauge Module (MSP-25 only)



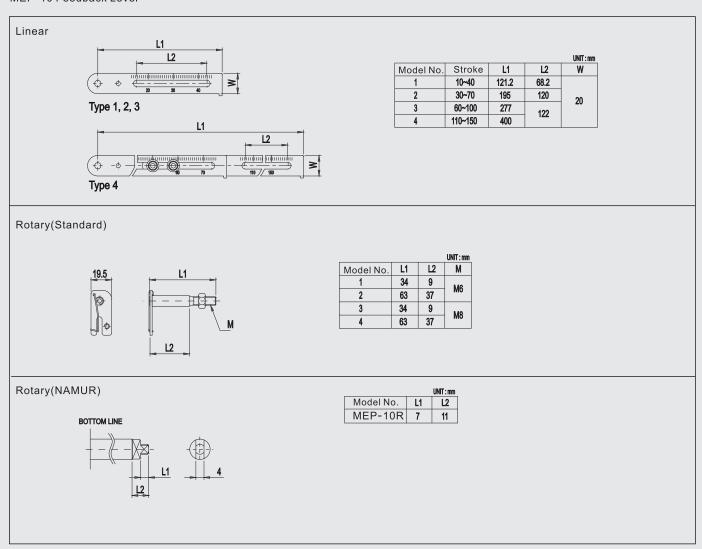


Valve Positioner Accessories GA drawing

MEP-10 Bracket



MEP-10 Feedback Level



Service

MORC offers safety, reliability and performance products to our customers. We offer comprehensive services to meet customer demand, which includes pre-sale, after-sale technical support service and field service as well as providing complete valve assembly service.

MORC series cover from assisting on product selection to all stages of the life cycle of our product. It includes simple troubleshooting as well as comprehensive service for entire projects. Our products are designed to perform reliably in many industrial environments. We strive to provide the services our customers need to ensure the plants running smoothly without any disruption. Upgrading and replacement of existing product can be a cost-effective alternative to premier brand product. We assist our customers in modernizing existing installations and replacing the old/obsolete products to minimize cost for customers.

Control Valve Complete Service

MORC has partnered with number of leading valve manufacturer to provide complete valve assembly and calibration service. According to customer requirement, such as valve parts selection, assembly and commissioning of pneumatic control valve, pneumatic on-off valve or electric control valve.

■ Pneumatic regulating valve or proportional control valve

Pneumatic control valve or proportional control valve is composed
of pneumatic valve ,valve positioner, air filter regulator and other
accessories to achieve control of valve opening degree.

■ Pneumatic on-off valve

Pneumatic on-off valve is composed of pneumatic valve, pneumatic actuator, solenoid valve, limit switch, air filter regulator and other accessories to achieve fully open and fully close of valve.

■ Electric control valve

Electric control valve is a complete set of control valve composed of electric actuator and valve. According to different valve types, such as 90 ° rotary valve, multi-turn valve and linear valve, it can be equipped with rotary electric actuator, multi-turn electric actuator or linear electric actuators for switching or adjustment functions.



Custom labels

We make custom labels for customers who buy in large quantities.

Nameplates

Within in house tag design and CNC engraving machines, we can engrave custom nameplates any information specified by customer.













Service

Product Support Service

With more and more MORC products being used in various industries, product support service is vital to ensure the correct selection and implementation of products. If users have any questions, they can contact MORC or their supplier for consultation. Alternatively log onto the MORC company website for downloading supporting documents.

www.morc.com.cn www.morc-control.com

MORC 1

MORC Website by wechat

Pre-sale Service

- Control scheme and product selection.
- Technical consulting.
- Product introduction and technical maintenance training.

After-sale Service

- Installation, calibration and commissioning guidance, technical consultation.
- Phone call or video call remote assistance to solve the problem.
- Repair service, allowing users to send the faulty product to MORC for inspection and repair.
- Replacement parts and upgrade services. Under certain circumstances,
 MORC can provide spare parts/products to users for direct replacement,
 users then return faulty parts/products to MORC for repair and upgrade.
- Provide maintenance plan and spare parts plan.

On-site Service to help your operation runs smoothly

- On-site installation, calibration and commissioning training.
- Fault diagnostic and repair.
- Software and hardware upgrade services.

Production Service

- Spare parts and OEM solution.
- Inventory plan.
- Production schedule adjustment to meet customer needs
- Product quality inspection and function test.

On-sale Service.

- Priority support and fast response.
- Identify or replace for alternative solution.
- Provide maintenance advice.

Engineering Service

- Delivers value-added solutions that improve operational performance and increase profitability for its customers.
- Perform system audits to identify operational issues and recommended solutions.
- Engage remotely or on-site to support project planning and design.









Service

Education and Training Service

MORC offers a wide range of education and training programs to help customer and user deepen their understanding of critical equipment and processes. User can submit their requirements and training content to company. MORC can design and deliver tailored training programs on site or in the office.







MORC Quality Assurance

- Quality is our foundation to long-term existence and success of our company. The quality of our products is the key to achieving customer satisfaction. By listening feedbacks from our customers, we are able to always learn and improve our service and product. Our full suit test equipments, and our product life cycle management ensure material quality for our suppliers, our products meet demand from industrial harsh environment.
- Quality also means all staff at MORC consider themselves responsible for the quality of our products and service.
 The continuous improvement process we are convinced that only satisfied customers will do business with us again.
- All MORC products come with warranty period of 18 months after arrival of goods 12 months after installation of product, whichever comes first.

MORC Social Responsibility

- The health and safety of MORC staffs is very important, we provide a safe working environment as well as a happy place to be. We also consider it important to contribute and engage positively in local communities and society.
- MORC is fully committed to reducing its impact on environment by preventing pollution, reducing the consumption of energy, water and waster and recycling.



MORC Controls Ltd.

Add.: MORC Building, No.8 Dabao Road, Baoan, Shenzhen, China

Tel.:+86-755-26977701/03/04/05/06/07

Fax.:+86-755-26977702/10 Email:info@morc.com.cn



Our vision

Be the world leading brand and successful valve accessories company.

Our Mission

Deliver superior service to our customer and pursue growth through improved and high-quality product; always strive to exceed our customers' expectations; manage our business with integrity.

- ♦ General industry
- ♦ Chemical
- ♦ Oil & Gas
- ♦ Pulp & Paper
- ♦ Food & Pharmaceutical
- ♦ HVAC & Water system
- Petrochemical & Refining
- ♦ Metals and Mining