

Ordering Code

1&2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Model	Body Style	Trim Type	Size	Rating	End Conn.	Bonnet & Flow Type	Trim & Char.	Cv	Packing type	Body Matl	Trim Matl	Compliance	Special	Actuator Type	Actuator Model	Acc's Qty
31	1	1	3	A	A	1	A	A	1	A	A	1	X	A	1	1

Position - 1&2 | Model

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Position - 3 | Body Style

1 - Cast-Globe 3 - Forged-Globe
 2 - Cast-Angle 4 - Forged-Angle

Position - 4 | Trim Type

1 - Unbalance - Top Guided
 2 - Unbalanced - Cage Guided
 3 - Balanced - Cage Guided - Omni Seal
 4 - Balanced - Cage Guided - Graphite Seal
 5 - Pilot Balanced - Cage Guided

Position - 5 | Size

3 - 1"	7 - 4"	A - 10"
4 - 1.5"	8 - 6"	B - 12"
5 - 2"	9 - 8"	D - 16"
6 - 3"		

Position - 6 | Rating

A - 150#	F - 2500#	L - 900# SPL
B - 300#	G - 4500#	M - 1500# SPL
C - 600#	H - 150# SPL	N - 2500# SPL
D - 900#	J - 300# SPL	P - 4500#
E - 1500#	K - 600# SPL	Z - Special

Position - 7 | End Connection

A - RF	R - BWE 40	1 - BWE XS
B - RTJ	U - BWE 60	5 - BWE 160
G - SWE	V - BWE 80	Z - Special
H - THD		

Position - 8 | Bonnet & Flow Type

1 - Standard - UTP Z - Special/other
 2 - Standard - OTP

Position - 9 | Trim & characteristics

A - Micro Flow <1 Cv
 B - Contour Plug - Linear
 C - Contour Plug - Equal %
 D - Contour Plug - Modified
 E - Drilled Cone - Linear
 F - Drilled Cone - Equal %
 G - Drilled Cone - Modified
 H - Standard - Linear
 J - Standard - Equal %
 K - Les Sonic I - Linear
 L - Les Sonic II - Linear
 M - Les Cav I - Linear
 N - Les Cav II - Linear

P - ZickTwist - Linear
 Q - ZickTwist - Modified
 R - MZ Plug - Modified
 Z - Special Custom

Position -10 | Cv

A - 10%	E - 50%	J - 90%
B - 20%	F - 60%	K - 100%
C - 30%	G - 70%	Z - Custom
D - 40%	H - 80%	

Position -11 | Packing type

1 - STD. - PTFE
 2 - STD. - GRAPH
 3 - STD. - DBL PTFE
 4 - STD. - DBL GRAPH
 5 - Live Loaded - PTFE
 6 - Live Loaded - Graphite
 7 - Low Emission - Graphite (CL B)
 Z - Special

Position -12 | Body Matl

A - A216 Gr WCC - Globe
 B - A216 Gr LCC - Globe
 C - A217 Gr WC6 - Globe
 D - A217 Gr WC9 - Globe
 E - A217 Gr C12A - Globe
 F - A351 Gr CF8M - Globe
 G - A216 Gr WCC - Angle
 H - A216 Gr LCC - Angle
 J - A217 Gr WC6 - Angle
 K - A217 Gr WC9 - Angle
 L - A217 Gr C12A - Angle
 M - A351 Gr CF8M - Angle
 N - A 105 - Globe
 P - A182 Gr F11 - Globe
 Q - A182 Gr F22 - Globe
 R - A182 Gr F91 - Globe
 S - A182 Gr F316 - Globe
 T - A 105 - Angle
 U - A182 Gr F11 - Angle
 V - A182 Gr F22 - Angle
 W - A182 Gr F91 - Angle
 Y - A182 Gr F316 - Angle
 Z - Special

Position -13 | Trim Matl

A - SS 410 Hardened
 B - SS 410 Nitrided
 C - SS 316 Nitrided
 D - SS316 + Stellite

E - CA6NM Hardened
 F - 440C Hardened
 G - DIN 1.4122 + Nitriding
 Z - Special

Position -14 | Compliance

1 - IBR	X - NA
2 - PED / CE	Z - Special/other
3 - NACE	

Position -15 | Special

X - NA S - Special

Position -16 | Actuator Type

A - Multi Spring & Diaphragm w/o HW
 B - Multi Spring & Diaphragm w/ TMH
 C - Multi Spring & Diaphragm w/ SMH
 D - Single Spring & Diaphragm w/o HW
 E - Single Spring & Diaphragm w/ TMH
 F - Single Spring & Diaphragm w/ SMH
 G - Piston - SASR w/o HW
 H - Piston - SASR w/ SMH
 J - Piston - DASR w/o HW
 K - Piston - DASR w/ SMH
 L - Piston - DA w/o HW
 M - Piston - DA w/ SMH
 N - Electric
 P - Hydraulic
 Q - Electro-Hydraulic
 R - Manual Handwheel
 X - None
 Z - Special

Position -17 | Actuator Model

1 - ST-6115	B - S-700	M - SMH 400
2 - ST-6135	C - S-960	N - SMH 500
3 - ST-6160	D - S-1400	P - 12"
4 - ST-6175	E - PA150	Q - 14"
4 - M-230	F - PA250	R - 16"
5 - M-385	G - PA330	S - 20"
6 - M-700	H - PA400	T - 24"
7 - M-1400	J - PA500	X - None
8 - S-225	K - SMH 250	Z - Special
9 - S-320	L - SMH 330	
A - S-550		

Position -18 | Accessories

1 - 1	5 - 5	9 - 9
2 - 2	6 - 6	X - NA
3 - 3	7 - 7	Z - Other
4 - 4	8 - 8	

Specification CIRCOR On-Off / Control Valve

Plant Name : _____ Project Name : _____ End User : _____ Application : _____

Tag No: _____ Qty: _____ Fluid : _____

Sizing Properties	Units	Min Flow	Norm Flow	Max Flow	Shut-Off
Flow Rate					—
Inlet Pressure					—
Outlet Pressure					—
Inlet Temperature					—
Vapor / Critical Pressure					—
Rel. Density					—
Absolute Viscosity					—
Specific Heat Ratio					—
Molecular Weight					—
Compressibility Factor					—
Allowable Noise (dBA)					—

SERVICE/CONDITIONS

LINE

VALVE BODY/BONNET

TRIM

LOC.

ACTUATOR

POSITIONER

AIR SET

SOL

SWITCHES

TEST

Inlet Pipe Size & Sch.
Outlet Pipe Size & Sch.
Pipe Insulation

Body Type
Body Size
Pressure Class
Design Press. & Temp
Body/Bonnet Mat'l
End Connection
Flow Direction
Type of Bonnet
Packing Mat'l

Trim Type
Cage Type
Characteristic
Trim Material

Equip. Location
Amb. Temp. Min/Max
Area Classification
PED Category

Type
Service
Air Fail Action
Min & Max. Allow. Press.
Orientation
Handwheel
Tubing & Fittings

Input Signal
Type/Protocol
Gauges
By-Pass
Position Feedback
Certification / Compliance

Range
Filter
Gauge
Set Pressure

Type
Quantity
Voltage
Certification / Compliance

Type
Contacts/Rating
Actuation Points
Certification / Compliance

Hydrotest
Seat Leakage
Special Testing

Special Notes