

KEY TO TYPES

Max. operating pressure

01 = 0 - 0,1 bar
02 = 0 - 0,2 bar
03 = 0 - 0,3 bar
05 = 0 - 0,5 bar
08 = 0 - 0,8 bar
1 = 0 - 1 bar
2 = 0 - 2 bar
3 = 0 - 3 bar
4 = 0 - 4 bar
5 = 0 - 5 bar
6 = 0 - 6 bar
10 = 0 - 10 bar
16 = 0 - 16 bar
25 = 0 - 25 bar
40 = 0 - 40 bar

Min. control pressure (for pneumatic-actuators)

4 = 4 bar
5 = 5 bar

Series

EV = Solenoid-valve (direct controlled)
EVS = Solenoid-valve (with balance piston)
EKVS = Solenoid-valve (force controlled)
EPV = Electro-pneumatic-valve
AEPV = Electro-pneumatic-valve (class A)
MRK = Flow-control-butterfly-valve (without zero obturation)
MRS = Flow-control-slide-valve (without zero obturation)
MEA = Flow-adjustment-valve
SFR = Strainer / Dirt trap
DEV = Valve combination (solenoid actuated)
DEPV = Valve combination (pneumatic actuated)

Version

A = Class A acc. to DIN EN 161 / DIN EN 16678
O = Vent valves acc. to DIN EN 16304
Ro = without zero obturation
Du = Three-way – switchable version
D = Three-way version
F = Bellow

Actuation type MRK/MRS

We = With free shaft end
Ha = With manual operation
St = With electrical actuator
Pn = With pneumatic actuator
Ma = With magnetic actuator

Example: 05 - EV A 30N -4 00 32 63
1 - 4 - EPV A 30N -4 00 32 65
●● ●● ●●● ●● ●● ●●● ●● ●● ●●

Keycode 3

Keycode 2

Keycode 1

Order additions

-2 = MRK, butterfly plate with limit stop
-4 = Approval according to DIN EN 161 / DIN EN 16678 / DIN EN 16304
Compliant to Gas Appliance Regulation EU/2016/426, or DIN EN ISO 23553-1
Av = Solenoid actuator with windings for pull-in and hold-in, valve controller type: TS..., RKS... on or in the solenoid actuator
A = Solenoid actuator with windings for pull-in and hold-in, valve controller type: RKS... separately in the control cabinet
B = Manual actuation with hand lever
Bn = Emergency manual actuation
C = Valve body in angle shape
fr = Outdoor installation
G = Minimum flow setting
M = Main flow setting
MG2 = 2- Stage version, for basic and main flow
P = Degree of protection IP65
R = Valve / MRK normally open
Ü = Medium temperature above 120°C
Ü200 = MRK, medium temperature up to 200°C
Ü550 = MRK, medium temperature up to 550°C
Ü700 = MRK, medium temperature up to 700°C
W = Installation with horizontal actuator
Xn = Solenoid actuator for Ex-Zone 2
Xme = Solenoid actuator for Ex-Zone 1 (encapsulated)
Xde = Solenoid actuator for Ex-Zone 1 and 21 (flameproof enclosed)
Z = hydraulic opening delay
Zs = hydraulic closing delay
ZZ = hydraulic opening / closing delay

Flange version			Thread version		
Manuf. desig.	DIN	ASME	Manuf. desig.	G	NPT
5N(H) ¹⁾	DN 15	NPS 1/2	1	G 1/8	1/8 NPT
7N(H) ¹⁾	DN 20	NPS 3/4	2	G 1/4	1/4 NPT
10N(H) ¹⁾	DN 25	NPS 1	3	G 3/8	3/8 NPT
12N(H) ¹⁾	DN 32	NPS 1 1/4	5	G 1/2	1/2 NPT
15N(H) ¹⁾	DN 40	NPS 1 1/2	7	G 3/4	3/4 NPT
20N(H) ¹⁾	DN 50	NPS 2	10	G 1	1 NPT
25N(H) ¹⁾	DN 65	NPS 2 1/2	12	G 1 1/4	1 1/4 NPT
30N(H) ¹⁾	DN 80	NPS 3	15	G 1 1/2	1 1/2 NPT
100(H) ¹⁾	DN 100	NPS 4	20	G 2	2 NPT
125(H) ¹⁾	DN 125	NPS 5	25	G 2 1/2	2 1/2 NPT
150(H) ¹⁾	DN 150	NPS 6	30	G 3	3 NPT
200(H) ¹⁾	DN 200	NPS 8			
250(H) ¹⁾	DN 250	NPS 10			
300(H) ¹⁾	DN 300	NPS 12			
350	DN 350	NPS 14			
400	DN 400	NPS 16			

¹⁾ = Valve body H-design

KEYCODE 1 (2 DIGITS):

00 =	VG / KR cast iron	: sealing element NBR
01 =	VG / KR bronze/brass	: sealing element NBR
02 =	VG / KR graphite cast iron	: sealing element NBR
03 =	VG / KR cast steel	: sealing element NBR
04 =	VG / KR stainless steel	: sealing element NBR
05 =	VG / KR cast iron	: sealing element FKM
06 =	VG / KR bronze/brass	: sealing element FKM
07 =	VG / KR graphite cast iron	: sealing element FKM
08 =	VG / KR cast steel	: sealing element FKM
09 =	VG / KR stainless steel	: sealing element FKM
10 =	VG / KR cast iron	: valve disk sealing PTFE
11 =	VG / KR bronze/brass	: valve disk sealing PTFE
12 =	VG / KR graphite cast iron	: valve disk sealing PTFE
13 =	VG / KR cast steel	: valve disk sealing PTFE
14 =	VG / KR stainless steel	: valve disk sealing PTFE
15 =	VG / KR cast iron	: valve disk sealing metal
16 =	VG / KR bronze/brass	: valve disk sealing metal
17 =	VG / KR graphite cast iron	: valve disk sealing metal
18 =	VG / KR cast steel	: valve disk sealing metal
19 =	VG / KR stainless steel	: valve disk sealing metal
24 =	VG / KR cast iron	: sealing element EPDM
25 =	VG / KR bronze/brass	: sealing element EPDM
26 =	VG / KR graphite cast iron	: sealing element EPDM
27 =	VG / KR cast steel	: sealing element EPDM
28 =	VG / KR stainless steel	: sealing element EPDM

VG = valve body
KR = butterfly plate

Cast iron	5.1301
Bronze/Brass	CC491K/CW614N
Graphite cast iron	5.3103/5.3104
Cast steel	1.0619N
Stainless steel	1.4408, 1.4301, 1.4571

NBR	=	Nitrile Butadiene Rubber
FKM	=	Fluorkarbon-Kautschuk
PTFE	=	Polytetrafluorethylen
EPDM	=	Ethylen-Propylen-Dien-Kautschuk

KEYCODE 2 (2 DIGITS):

29 =	Internal parts stainless steel
30 =	Butterfly plate nickel plated
31 =	Free of non ferrous metals
32 =	Connection flange acc. to DIN EN 1092-1 Form B (B1 B2)
33 =	Connection flange acc. to ASME B16.5 RF (raised face)
34 =	Connection flange acc. to DIN EN 1092-1 Form D (groove)
35 =	Connection flange acc. to DIN EN 1092-1 Form F (tounge)
36 =	Internal coating Wemaplast
38 =	(31 + 32)
39 =	(31+32+36)
41 =	(32+36)
43 =	(31+33)
44 =	(31+33+36)
46 =	(33+36)
48 =	(31+34+36)
49 =	(34+36)
50 =	(31+35+36)
51 =	(35+36)
52 =	Connector acc. to DIN EN 175301-803 without LED
53 =	Connector acc. to DIN EN 175301-803 with LED
54 =	Potentiometer for electrical actuators
55 =	Special butterfly plate for MRK
56 =	Position controller, input signal 4-20 mA
57 =	Position feedback, output signal 4-20 mA
58 =	Connector according to customers requirements
59 =	Compressor unit type KPE... for pneumatic actuators

KEYCODE 3 (2 DIGITS):

60 =	visual position indicator
61 =	1 mechanical limit switch for solenoid-valve with threaded connection
62 =	2 mechanical limit switches for solenoid-valve with threaded connection
63 =	1 mechanical limit switch for solenoid-valve with flanged connection
64 =	2 mechanical limit switches for solenoid-valve with flanged connection
65 =	1 mechanical limit switch for electro-pneumatic-valve with flanged / threaded connection
66 =	2 mechanical limit switches for electro-pneumatic-valve with flanged / threaded connection
67 =	1 mechanical limit switch for MRK / MRS
68 =	2 mechanical limit switches for MRK / MRS
69 =	1 mechanical limit switch, explosion-proof, for solenoid-valves with threaded connection
70 =	2 mechanical limit switches, explosion-proof, for solenoid-valves with threaded connection
71 =	1 mechanical limit switch, explosion-proof, for solenoid-valves with flanged connection
72 =	2 mechanical limit switches, explosion-proof, for solenoid-valves with flanged connection
73 =	1 mechanical limit switch, explosion-proof, for electro-pneumatic-valves with flanged / threaded connection
74 =	2 mechanical limit switches, explosion-proof, for electro-pneumatic-valves with flanged / threaded connection
75 =	1 mechanical limit switch, explosion-proof, for MRK / MRS
76 =	2 mechanical limit switches, explosion-proof, for MRK / MRS
77 =	1 inductive limit switch for solenoid-valves with threaded connection
78 =	2 inductive limit switches for solenoid-valves with threaded connection
79 =	1 inductive limit switch for solenoid-valves with flanged connection
80 =	2 inductive limit switches for solenoid-valves with flanged connection
81 =	1 inductive limit switch for electro-pneumatic-valves with threaded / flanged connection
82 =	2 inductive limit switches for electro-pneumatic-valves with threaded / flanged connection
83 =	1 inductive limit switch for MRK / MRS
84 =	2 inductive limit switches for MRK / MRS
90 =	1 inductive limit switch, manufacturer to customer requirements
91 =	2 inductive limit switches, manufacturer to customer requirements
92 =	1 mechanical limit switch for solenoid-valve and electro-pneumatic-valves, large type
93 =	2 mechanical limit switches for solenoid-valve and electro-pneumatic-valves, large type
94 =	1 limit switch, manufacturer to customer requirements
95 =	2 limit switches, manufacturer to customer requirements
96 =	Emergency stop button on valve
99 =	Version not covered by this type code