

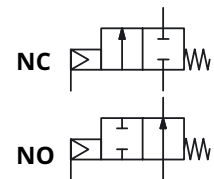
General Features

- Compact 2/2 NC-NO disc valve, stainless steel body, pad-mounting body.
- Ruggedly built, particularly recommended for :
 - use with superheated water and steam, up to max. 230°C.
 - high ambient temperatures, up to 140°C.
 - use in corrosive environments.
- Valve equipped with a piston operator.
- Optical position indicator as standard.
- Reliable operation at low pilot pressures.
- High-performance, maintenance-free stuffing box.
- The valves satisfy Pressure Equipment Directive 97/23/EC, article 3.3.

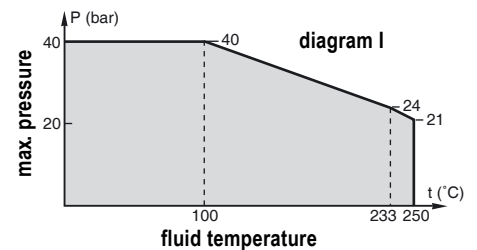
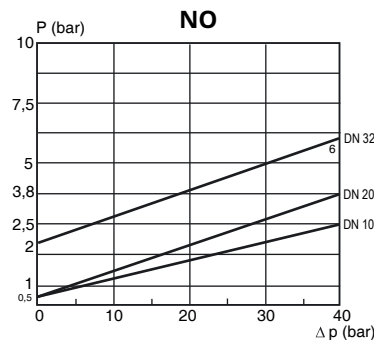
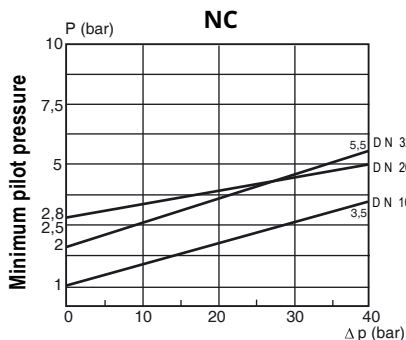


Technical Features

Fluids (*)	DN ≤ 20: air and gas groups 1 & 2 DN = 32: air and gas group 2 all DN: superheated water, liquids groups 1 & 2 and steam - 10°C to + 230°C
Temperature range (TS)	PTFE
Disc seal (*)	0 to 32 bar [1 bar =100 kPa]
Differential pressure	40 bar
Maximum allowable pressure	(within the specified limits, see diagram I)
Ambient temperature range	-25°C to +140°C
Maximum viscosity	5000 cSt (mm ² /s)
Pilot fluid	Air
Max. pilot pressure	10 bar
Min. pilot pressure	See below



Characteristic Pilot Control Graph



Materials in Contact with Fluid

(*) Ensure that the compatibility of the fluids in contact with the materials is verified

Valve body and plug	Stainless steel
Stuffing box housing	Stainless steel
Stem, disc	Stainless steel
Stuffing box packing	PTFE chevrons
Disc seal	PEEK
Valve body seal	PTFE

Other Materials

Operator	Aluminium and steel
Optical position indicator	Aluminium and steel

Specifications

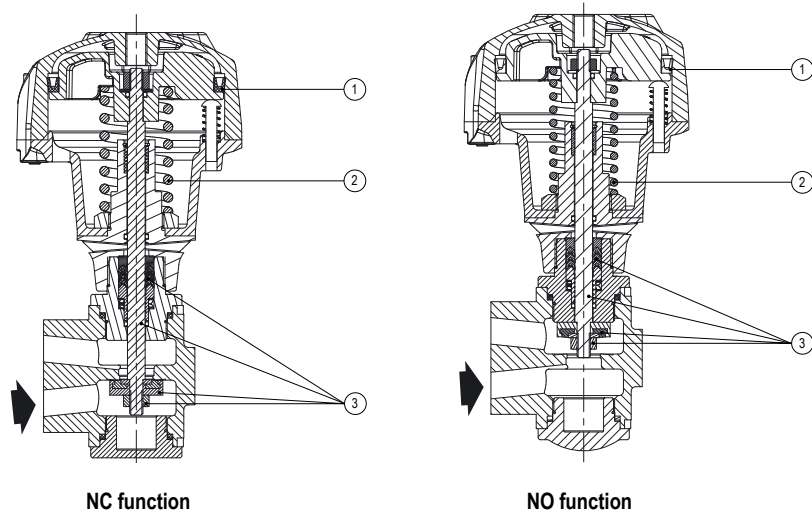
Pipe Size	DN	Flow Coefficient Kv		Maximum Allowable Pressure (bar)	Pilot Pressure (bar)		Operator Diameter (mm)	Catalog Number
		(m ³ /h)	(l/min)		min.	max.		
NC - Normally closed								
Pad Mounting	10	2.4	40	32	❖	10	80	Q117BR27RTA0000
	20	7.44	124	32	❖	10	100	Q117BR4FRTA0000
	32	16.08	268	32	❖	10	100	Q117BR6FRTA0000
NO - Normally open								
Pad Mounting	10	1.98	33	32	❖	10	80	Q217BR27RTA0000
	20	6.72	112	32	❖	10	100	Q217BR4FRTA0000
	32	16.08	268	32	❖	10	100	Q217BR6FRTA0000

Note
❖ Minimum pilot pressure varies with differential pressure. See piloting chart.

Installation

- The valves can be mounted in any position without affecting operation.
- In normal use: fluid entry under the disc (for fluid entry above the disc, contact us).

Spare Parts

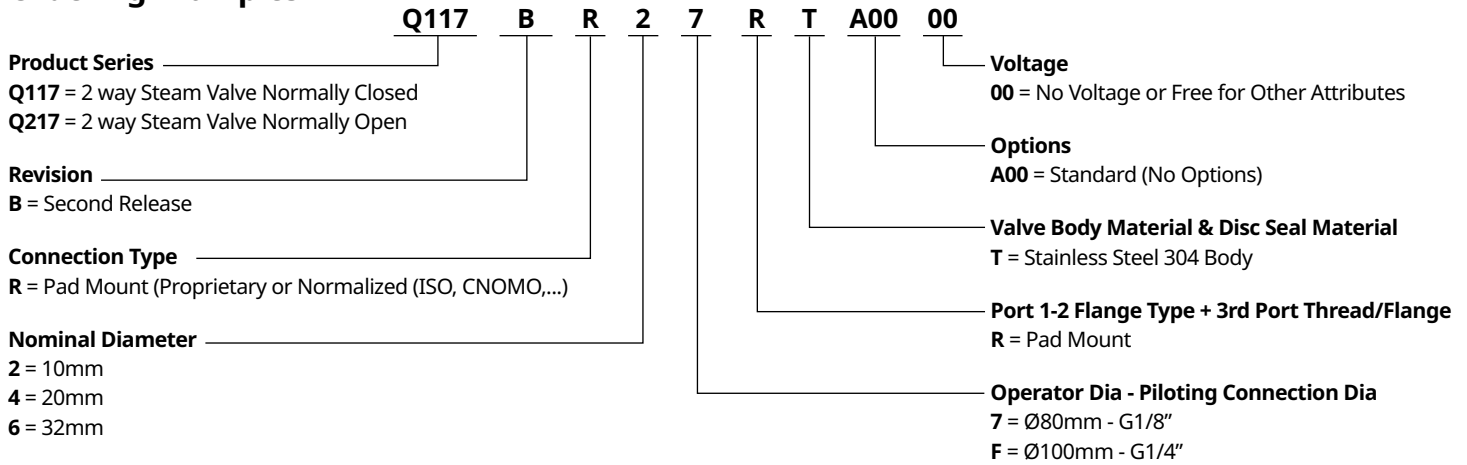


Catalog Number	Spare Parts Kit No.		
	Piston Seal ①	Actuator Spring ②	Stem, Disc, Seals ③
Q117BR27RTA0000	C140233	C140236	C140242
Q117BR4FRTA0000	C140234	C140238	C140244
Q117BR6FRTA0000	C140234	C140240	C140246
Q217BR27RTA0000	C140233	C140237	C140243
Q217BR4FRTA0000	C140234	C140239	C140245
Q217BR6FRTA0000	C140234	C140241	C140247

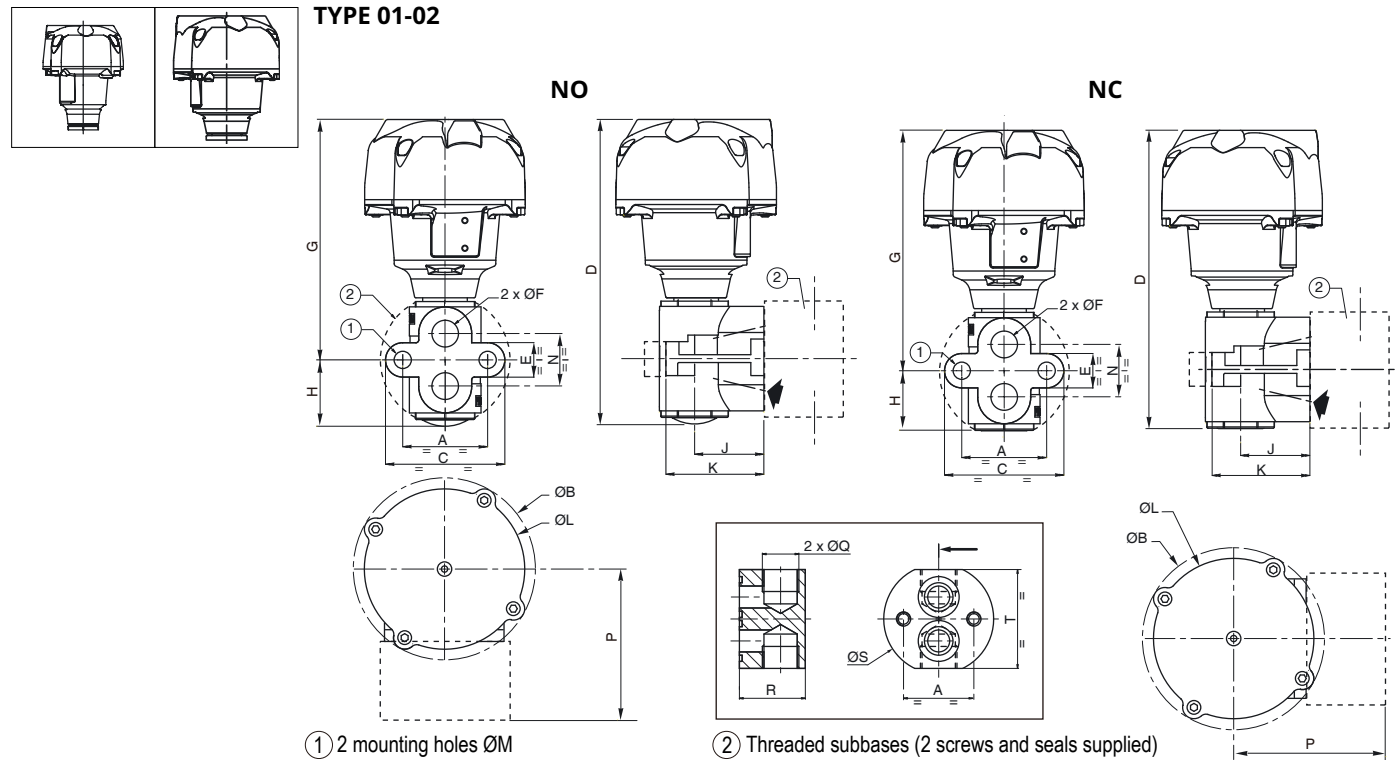
Ordering Examples Kits

Basic Number	C140233 C140236 C140242
--------------	-------------------------------

Ordering Examples



Dimensions: mm, Weights: kg



	Type	DN	Operator Diameter	A	ØB	C	D	E	ØF	G	H	J	K	ØL	ØM	N	P	ØQ(G*)	R	ØS	T	Weight ⁽¹⁾
NC	01	10	80	58	110	84	192.6	26	12	155.6	37	42	68.5	95	13	25	87	1/2	45	80	70	2
	02	20	100	64	132	90	221.9	26	20	176.9	45	53	80	117	13	40	113	1	60	100	90	3.5
	02	32	100	90	132	122	273	32	32	207	66	69	102.5	117	17	50	-	1 1/4-1 1/2	60	150	130	7.5
NO	01	10	80	58	110	84	197.6	26	12	155.6	42	42	68.5	95	13	25	87	1/2	45	80	70	2
	02	20	100	64	132	90	226.9	26	20	176.9	50	53	80	117	13	40	113	1	60	100	90	3.5
	02	32	100	90	132	122	278	32	32	207	71	69	102.5	117	17	50	-	1 1/4-1 1/2	60	150	130	7.5

Note
 (1) Weight of valve without pilot

Options

Other standard flange designs