

GATE VALVE

Type R55



Description

Gate valve with female threads. It is suitable for use with cold water, hot water and steam at low pressure. It satisfies the requirements of PED 97/23/CE Directive, according to which, it is exempted from CE marking according to 3.3 paragraph.

Versions and product code

ISO228 Parallel thread connections

Product code	Connections
R55Y002	3/8"
R55Y003	1/2"
R55Y004	3/4"
R55Y005	1"
R55Y006	1 1/4"
R55Y007	1 1/2"
R55Y008	2"
R55Y009	2 1/2"
R55Y010	3"
R55Y012	4"

BSP taper thread connections

Product code	Connections
R55ZY002	3/8"
R55ZY003	1/2"
R55ZY004	3/4"
R55ZY005	1"
R55ZY006	1 1/4"
R55ZY007	1 1/2"
R55ZY008	2"

NPT thread connections

Product code	Connections
R55UY002	3/8"
R55UY003	1/2"
R55UY004	3/4"
R55UY005	1"
R55UY006	1 1/4"
R55UY007	1 1/2"
R55UY008	2"
R55UY009	2 1/2"
R55UY010	3"

Technical data

Main features and materials

- Suitable for plumbing systems.
- Connections: F x F (ISO 228 - BSP - NPT)
- Body: UNI EN 12165 - CW 617N (3/8"+2").
UNI 7013 - CuSn5Zn5Pb5 (4").
- Particulars in forged brass (UNI EN 12165 - CW 617N) and machined from bar (UNI EN 12164 - CW 614 N).
- PTFE external sealing.
- Handwheel: Aluminium (3/8"+3").
Steel plate laminated with epoxy red (4").
- Zinc plated steel nut for fixing of the handwheel.

Field of applications

- Temperature range : 5÷110 °C (41÷230 °F)
- Max. working pressure : 16 bar / 232 psi (a 23 °C / 73 °F)
10 bar / 145 psi (a 95 °C / 203 °F)

Valves Kv

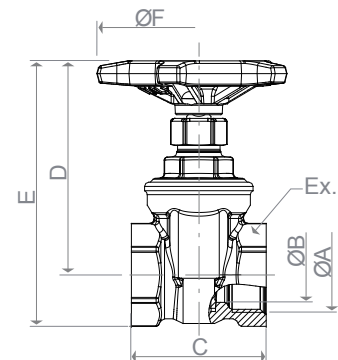
Size	Kv
3/8"	8
1/2"	12
3/4"	36
1"	61
1 1/4"	90

Size	Kv
1 1/2"	180
2"	290
2 1/2"	400
3"	670
4"	1202

Installation

Gate valves can be horizontally or vertically installed. The slow and proportional manoeuvre avoid the water hammer phenomenon. We recommend to pay attention during the installation phase, above all for the small dimensions, avoiding forcing the pipe screwing and deforming the sealing seats. Gate valves can also work in intermediate positions of the stroke, so as to parzialize the capacity into pipes.

Dimensions



Size (ØA)	ØB [mm]	C [mm]	D [mm]	Ex.	E [mm]	ØF [mm]
3/8"	12	37	60	22	72	59
1/2"	14	43	64	26	79	59
3/4"	19	48	76	33	94	72
1"	25	54	87	40	109	72
1 1/4"	32	62	96	49	130	84
1 1/2"	38	64	116	55	147	95
2"	51	76	140	69	178	108
2 1/2"	60	80	186	84	233	145
3"	70	84	198	98	256	145
4"	93	96	240	-	-	120

Product specifications

Gate valve with female threads. It is suitable for use with cold water, hot water and steam at low pressure. Body: brass UNI EN 12165 - CW 617N (3/8"+2"); bronze UNI 7013 - CuSn5Zn5Pb5 (4"). Particulars in forged brass (UNI EN 12165 - CW 617N) and machined from bar (UNI EN 12164 - CW 614 N). PTFE external sealing. Handwheel: Aluminium (3/8"+3"); Steel plate laminated with epoxy red (4"). Zinc plated steel nut for fixing of the handwheel. Temperature range 5÷110 °C (41÷230 °F). Max. working pressure 16 bar / 232 psi (a 23 °C / 73 °F); 10 bar / 145 psi (a 95 °C / 203 °F). It satisfies the requirements of PED 97/23/CE Directive, according to which, it is exempted from CE marking according to 3.3 paragraph.