

PN16

IRON GATE VALVE

Bolted bonnet, Inside screw,
Non-rising stem, Flanged ends.

16 bar at 120°C, 12.8 bar at 200°C, P-T rating : See page 01

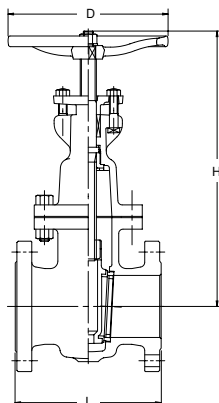


Fig. EN16FCW

• Bronze trim

Fig. EN16FCWI

• Bronze trim, with position indicator



Materials

Parts	Material	Specifications
Body	Cast Iron	EN-GJL-200
Bonnet	Cast Iron	EN-GJL-200
Stem	Forged Brass	JIS H3250 C3771BD or BE
Disc	Cast Iron	EN-GJL-200
Disc seat ring	Cast Bronze	JIS H5120 CAC406
Body seat ring	Cast Bronze	JIS H5120 CAC406
Gland	Ductile Iron	
Gland packing	Flexible Graphite + PTFE Braided	
Gasket	Graphite	
Gland bolt/nut	Carbon Steel	
Bonnet bolt/nut	Carbon Steel	
Bonnet bushing	Cast Bronze	JIS H5120 CAC406
Hand wheel	DN 50 to 200	Cast Iron
	DN 250 & 300	Ductile Iron

Design Specifications

Items	
Shell wall thickness	KITZ Standard
Face-to-face or End-to-end dimensions	EN 1171 PN16 Basic Series 3
End Connection	EN 1092-2 PN16

Dimensions

Valve Size	NPS DN	2	2 1/2	3	4	5	6	8	10	12
L Face-to-face		178	190	203	229	254	267	292	330	356
H Height		271	297	352	394	451	518	618	760	867
D Handwheel Diameter		180	180	200	250	280	300	350	400	450

PN16

IRON GATE VALVE

Bolted bonnet, Outside screw & yoke,
Rising stem, Flanged ends.

16 bar at 120°C, 12.8 bar at 200°C, P-T rating : See page 01

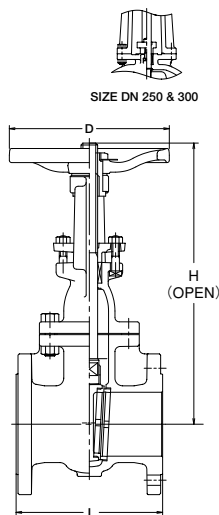


Fig. EN16FCL

• Bronze trim

Fig. EN16FCLM

• Stainless steel trim



Materials

Parts	Material	Specifications	
		EN16 FCL	EN16FCLM
Body	Cast Iron	EN-GJL-200	
Bonnet	Cast Iron	EN-GJL-200	
Stem	Forged Brass	JIS H3250 C3771BD or BE	ASTM A276 Type316
Disc	Cast Iron	EN-GJL-200	
Disc seat ring	Cast Bronze	JIS H5120 CAC406	ASTM A182 Gr.F316
Body seat ring	Cast Bronze	JIS H5120 CAC406	ASTM A182 Gr.F316
Gland	Ductile Iron		
Gland packing	Flexible Graphite + PTFE Braided		
Gasket	Graphite		
Gland bolt/nut	Carbon Steel		
Bonnet bolt/nut	Carbon Steel		
Yoke sleeve	Cast Bronze		
Hand wheel	DN 50 to 200	Cast Iron	
	DN 250 & 300	Ductile Iron	

Design Specifications

Items	
Shell wall thickness	KITZ Standard
Face-to-face or End-to-end dimensions	EN 1171 PN16 Basic Series 3
End Connection	EN 1092-2 PN16

Dimensions

Valve Size	NPS DN	2	2 1/2	3	4	5	6	8	10	12	mm
L Face-to-face		178	190	203	229	254	267	292	330	356	
H Height (OPEN)		343	389	462	547	648	759	956	1168	1363	
D Handwheel Diameter		170	170	200	250	280	300	350	400	450	

PN25

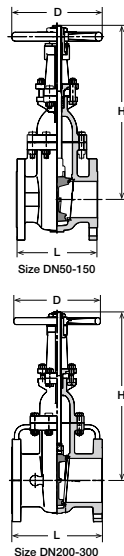
IRON GATE VALVE

Bolted bonnet, outside screw & yoke,
flanged ends

25Bar/2.5MPa, W.O.G—10~120°C Saturated Steam



Fig. (PHOX)EN25FCLE



Materials

Parts	Material	Specifications
Body	Cast Iron	EN1561 EN-GJL-250
Bonnet	Cast Iron	EN1561 EN-GJL-250
Stem	Forged Brass	BS2874 CZ122
Disc	Cast Iron	EN1561 EN-GJL-250
Body seat ring	Cast Bronze	BS1400 LG2
Disc seat ring	Cast Bronze	BS1400 LG2
Gland	Ductile Iron	
Gland packing	Graphite	
Gasket	Non-Asbestos	
Gland bolt/nut	Carbon Steel	
Bonnet bolt/nut	Carbon Steel	
Yoke bush	Cast Brass	
Hand wheel	Cast Iron	EN1561 EN-GJL-250

Design Specifications

Items	
Shell wall thickness and general valve design	Manufacturers standard
Face-to-face/End-to-end dimensions	EN558-1 series 4
End flange dimensions Gasket contact facing	EN1092-2 PN25

Dimensions

Valve Size	NPS DN	2 50	2 1/2 65	3 80	4 100	5 125	6 150	8 200	10 250	12 300
L Face-to-face		215.9	241.3	282.5	304.8	381	403.2	419.1	457	502
H Height (OPEN)		385	437	493	611	716	813	1023.5	1211	1386
D Handwheel Diameter		175	200	254	300	300	348	400	457	457

mm