

HYFLO

FIRE PROTECTION

HYF-500-OS AWWA C509 300PSI Flanged-End Gate Valve

Application: Fire Protection/Air-conditioning/Plumping
 Bolted Bonnet • Outside Screw and Yoke • Resilient Wedge • Flanged-End
 300PSI/20.7 Bar Non-Shock Cold Working Pressure
 Conforms to AWWA C509
 FBE Coated Interior and Exterior
 Maximum Operating Temperature 185°F / 85°C
 UL listed – FM approved

HYF-500-OS



MATERIAL SPECIFICATIONS

No.	PART	SPECIFICATION
1	Valve Body	Ductile Iron ASTM A 536
2	Resilient Wedge	Ductile Iron ASTM A 536 with EPDM Encapsulation
3	Wedge Nut	Bronze ASTM B 584 UNS C83600
4	Dowel Pin	Stainless Steel ASTM A 276 UNS S42000
5	Stem Back Seat O-Ring	EPDM
6	Bonnet Gasket	EPDM
7	Bonnet	Ductile Iron ASTM A 536
8	Stem Packing	EPDM
9	Threaded Rod	Carbon steel Zinc Plated
10	Gland Bushing	Brass ASTM B 584
11	Gland	Cast Iron ASTM A 126-B
12	Gland Nut	Stainless Steel 18-8
13	Yoke Screw	Alloy Steel ASTM A 574M Zinc Plated
14	Yoke	Cast Iron ASTM A 126-B
15	Yoke Bushing	Bronze ASTM B 584
16	Flat Point Set Screw	Alloy Steel ASTM F 912M Black Oxide
17	Yoke Bushing Retainer	Cast Iron ASTM A 126-B
18	Handwheel	Ductile Iron ASTM A 536
19	Handwheel Nut	Carbon steel Zinc Plated
20	Flat Head Screw	Carbon steel Zinc Plated
21	Stem	Bronze ASTM B 150 UNS C61400
22	Bonnet Screw	Alloy Steel ASTM A 574M Zinc Plated

DIMENSION

Size		L		d		G		H Open		H Close		Tums To Open
In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	
2.5	65	7.5	190	2.5	64	7.9	200	17.8	453	14.9	378	8.8
3	80	8.0	203	3.0	76	10.0	254	20.1	510	15.9	405	10.5
4	100	9.0	229	4.0	102	10.0	254	22.4	568	16.6	422	13.75
6	150	10.5	267	6.0	152	12.4	315	30.3	769	22.9	581	16
8	200	11.5	292	8.0	203	14.8	375	37.8	960	28.5	724	17.5
10	250	13.0	330	10.0	254	16.4	416	44.8	1139	34.5	877	21.5
12	300	14.0	356	12.0	305	17.5	445	52.2	1326	39.9	1014	25.5

Note:

<> Freezing Weather Precaution-Subsequent to testing a piping system, valves should be in an open position to allow complete drainage.
 <> Flange: ANSI Class125&150

