



## DONKIN SERIES 555S STEEL GATE VALVES PN7/16/19

555/103

Flanged Ends

001



The large diameter Series 555 Softseal Valve is a double-faced, resilient seat, internal screw, clear bore wedge gate valve. It is designed primarily for the isolation of natural gas and manufactured gas.



### Product Description:

Flanged Gate Valve to GIS/V7:Part 1

### Standards:

- Designed according to GIS/V7 Part 1
- Face to face according to EN 558 table 3 basic series 3
- Standard flange drilling to EN1092-2 (ISO 7005-2), PN 16

### Test/Approvals:

- Tested according to EN12266-1.
- Approved according to KITE MARK GIS/V7-1



### Features:

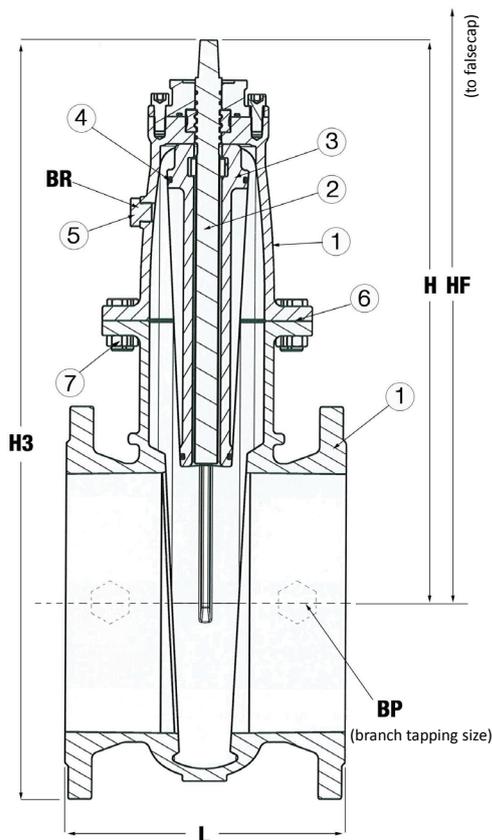
- Maximum Working Pressure:
  - DN50: PN16 flange 16 bar, ASA 150 flange 19 bar
  - DN400 - 600: 7 Bar (100 PSIG)
- Temperature Range: -20°C to +60°C
- Soft seal, positive shut off
- Full double block and bleed with pressure relieving plug
- Clear bore for under pressure drilling operations
- Metal to metal secondary seal
- Maintenance free
- "Flange feet" to aid installation and stockholding
- No lubrication required
- Double 'O' Ring stem seal
- Lifting lugs on all sizes
- Suitable for above and below ground use
- **Options:**
  - Pressure point/by-pass bosses cast into the valve as standard. These can be drilled and plugged at our factory if required
  - Viton Seals
  - Alternative flange drilling
  - Bare shaft end
  - Electric/pneumatic actuation
  - Gearbox

### Accessories:

- False cap, handwheel, door position indicator.



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**Important Note:**

Please ensure that further corrosion protection is applied to the valve and flanges immediately following installation. Please refer to Donkin installation document IC5445.

**General Note:**

It is important, when installing any valve that pipeline stresses are kept to a minimum and no undue external forces are places on the valve connections. Correct installation procedures should be followed. For details please see Donkin publication IC5445. Standard flanges are PN16, ASA 150 and other standards are available. The Series 555 is also manufactured in ductile iron, steel and with P.E. Tails up to 315mm.

**Component List:**

1. Body and Bonnet	Cast steel. EN10213 GP240GH	2. Stem	Carbon Steel. EN10087 11SMn30 (ENIA)
3. Gate	Cast Iron. EN 1561 GJL 250	4. Stem/Seat Seal	Nitrile Rubber. EN 682. Type G
5. Pressure Relief Plug	Carbon Steel. EN10087 115Mn30 (ENIA)	6. Body Bonnet Seal	CNAF
7. Fasteners	Stainless steel Grade A2-70		

Components may be substituted with equivalent or higher class materials without prior notification.

**Reference Nos. and Dimensions:**

AVK ref. nos	DN mm	H3 mm	H mm	HF mm	BR DN	BP DN	L mm	Turns to open	Theoretic. weight kg
555-050-00-013	50	363	280	358	RP0.5	N/A	178	9	22
555-400-00-013	400	1158	848	911	RP0.75	RP1.5	406	36	376
555-450-00-013	450	1257	930	993	RP0.75	RP1.5	432	40	461
555-600-00-013	600	1601	1173	1236	RP0.75	RP2	508	52	925

For further details see section "Technical Information".  
The designs, materials and specifications shown are subject to change without notice due to the continuous development of our product programme.