



## DONKIN SERIES 555 CAST IRON GATE VALVES PN2

555/100-001

### Flanged Ends

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:

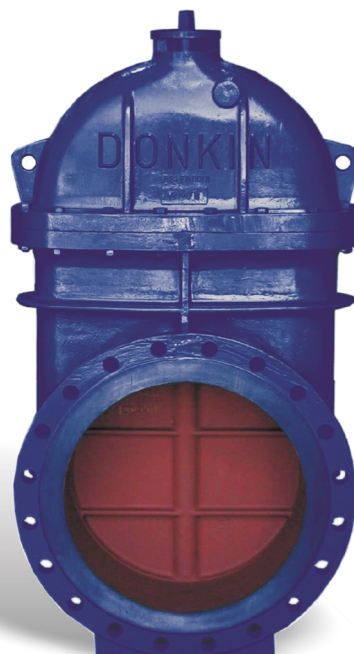
- Tested according to EN12266-1
- Approved according to KITE MARK GIS/V7-1

#### Features:

- Maximum Working Pressure: 2 Bar (29 PSIG)
- Temperature Range: -10°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
  - 4 Bar version available on certain sizes
  - Alternative flange drilling
  - Gear box
  - Electric/pneumatic actuation
  - Stainless steel spindle
  - DN400, 450 and 600 available as 4 bar on request
  - Stainless spindle and viton o-ring with CI thrust collar for Biogas

#### Accessories:

- False cap, handwheel, door position indicator.



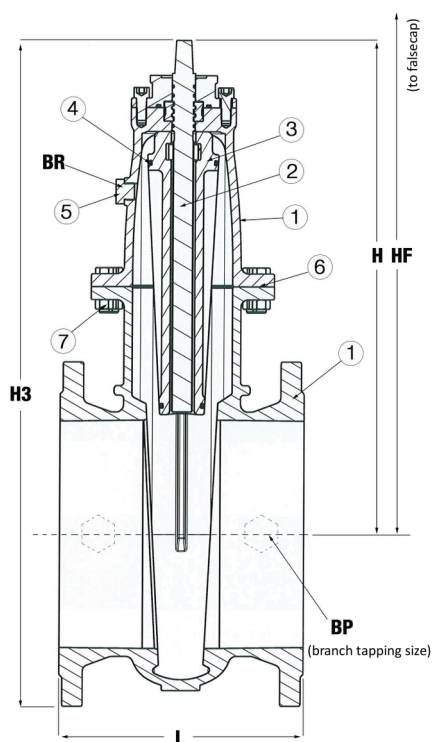
KM 518241  
GIS/V7-1

Expect... **AVR**

The designs, materials and specifications shown are subject to change without notice due to the continuous development of our product range.

COPYRIGHT©AVK GROUP 2017

niki - 31-Aug-2017 13:18

**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 placed 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 iron GJL-250 (GG-25)	5. Pressure relief plug	Steel 11SMn30 (EN1A)
2. Stem	Steel 11SMn30 (EN1A)	6. Bonnet gasket	CNAF fibres
3. Gate	Cast iron GJL-250 (GG-25)	7. Fasteners	Steel gr. 8.8
4. Stem/seat seal	NBR rubber		

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

**Reference nos. and dimensions:**

AVK ref. no.	DN	H3	H	HF	BR	By-pass	L	Turns	Theoretical
	mm	mm	mm	mm	DN	DN	mm	to open	weight / kg
555-350-00-010	350	997	730	793	RP0.75	RP1.5	381	32	270
555-400-00-010	400	1158	848	911	RP0.75	RP1.5	406	36	301
555-450-00-010	450	1257	930	993	RP0.75	RP1.5	432	40	340
555-500-00-010	500	1318	1015	1078	RP0.75	RP1.5	457	45	480
555-600-00-010	600	1601	1173	1236	RP0.75	RP2	508	52	745
555-800-00-01010050	800	2271	1520	1706	RP1	N/A	660	32	1241

**Comments:**

NOTE: Diameter DN800 is outside the scope of the V7:Part 1.