



National Fire Equipment Ltd.

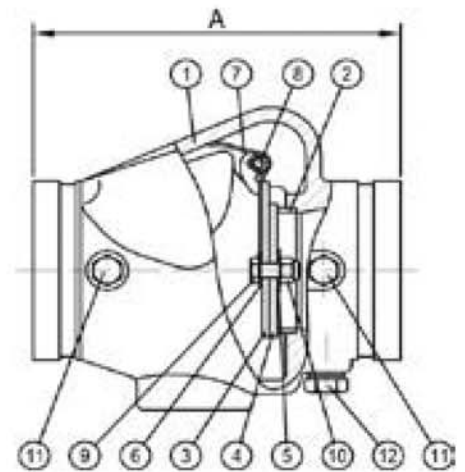
NCI Ductile Iron Check Valve - 350 PSI CWP

CKVA-GD8351 Grooved-End Swing Check Valve

- 350 PSI Non-Shock Cold Working Pressure
- Installed in both Horizontal or Vertical Line with Upward Flow
- Easier and Faster to Maintain and Install
- Low Pressure Drop
- EPDM non-stick leak tight sealing
- All Stainless Steel Wetted Parts to Provide Superior Corrosion Resistance
- FM Approved & UL/ULC Listed



MATERIAL SPECIFICATIONS		
NO.	PART NAME	MATERIAL STANDARD
1	Body	Ductile Iron ASTM A 536
2	Seat	Bronze
3	Clapper	Stainless Steel 304
4	Facing Seal	EPDM Rubber
5	Clamping Ring	Stainless Steel 304
6	Gasket	EPDM Rubber
7	Spring	Stainless Steel 304
8	Hinge Pin	Stainless Steel 304
9	Bolt	Stainless Steel 304
10	Locknut	Stainless Steel 304
11	Plug ¼" NPT	Carbon Steel
12	Plug ½" NPT	Carbon Steel



Dimensions

Size DN		OD		A		Weight	
mm	inch	mm	inch	mm	inch	lb	Kg
50	2	60.3	2.37	169.00	6.65	5.5	2.50
65	2 1/2	73.0	2.87	183.00	7.20	8.8	4.00
80	3	88.9	3.50	198.00	7.80	13.2	6.00
100	4	114.3	4.50	218.00	8.58	19.8	9.00
125	5	141.3	5.56	248.00	9.76	33.1	15.00
150	6	168.3	6.63	270.00	10.63	41.9	19.00
200	8	219.1	8.63	325.00	12.80	77.2	35.00

*** Sizes and specifications shown are subject to change without notice. ***

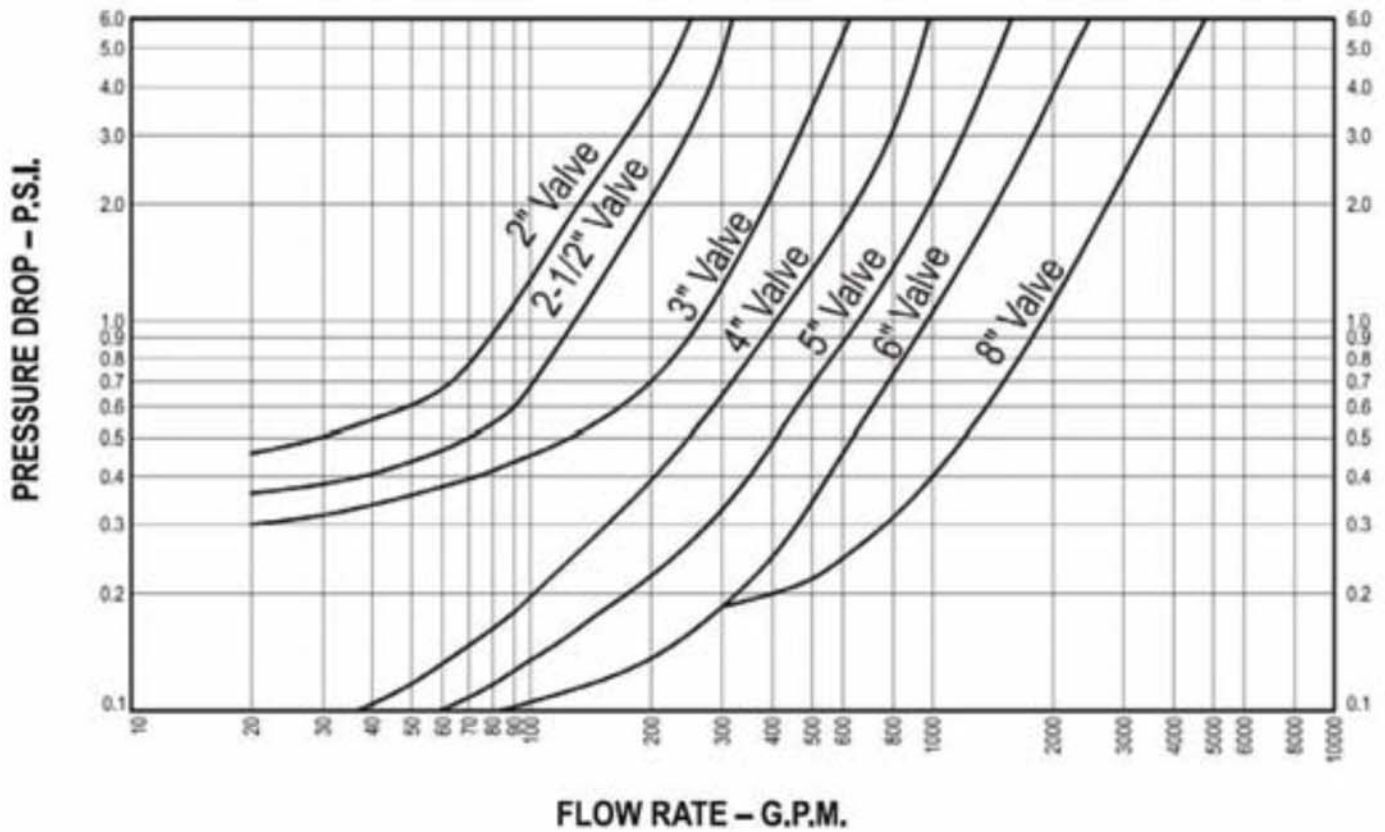
Check Valve Performance Data Formulas for Cv Values

$$P = \frac{Q^2}{C_v^2} \Delta$$

Where: Q – Flow rate (gallons per minute: GPM)

ΔP = Pressure drop across valve (PSI) C_v = Flow coefficient

Nominal Size	Pipe O.D.	Cv (Full Open)	Nominal Size	Pipe O.D.	Cv (Full Open)	Nominal Size	Pipe O.D.	Cv (Full Open)
2 In.	50 mm	60.3	4 In.	100 mm	114.3	6 In.	150 mm	168.3
2 1/2 In.	65 mm	73	5 In.	125 mm	141.3	8 In.	200 mm	219.1
3 In.	80 mm	88.9						



*** Sizes and specifications shown are subject to change without notice. ***



National Fire
Equipment Ltd.

TORONTO: (905) 761-6355
Toll Free: (800) 267-8508
OTTAWA: (613) 723-6071

VANCOUVER: (604) 420-1131
Toll Free: (800)-667-2138
BURNABY: (604)-299-4498

EDMONTON: (780) 455-3870
Toll Free: (888)-891-1008
CALGARY: (403) 236-5661

MONCTON: (506) 859-7277
Toll Free: (877) 816-3473
MISSISSAUGA: (905) 565-1385

www.nationalfire.com