

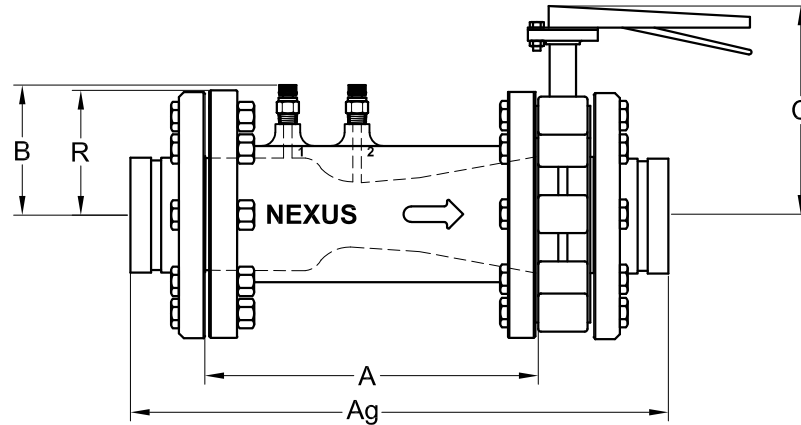


NEXUS

Nexus Venturi™ Model NVGB

Grooved End Venturi Flow Meter w/ Butterfly Valve

(2½" thru 12")



DIMENSIONS [inches]

SIZE [inches]	A	Ag	B	R (Flange)	C	Cv	WT. [lbs]		
							NVF	BV	FGA ¹
2½	5.65	11.96	3.75	3.50	8.3	43	18.0	11.5	17.8
3	8.13	14.73	4.00	3.75	8.4	84	24.5	12.0	20.2
4	11.00	18.36	4.45	4.50	9.2	149	36.5	18.6	33.8
5	11.53	19.40	5.00	5.00	9.5	220	45.0	22.5	44.3
6	12.15	19.90	5.51	5.50	10.2/11.6 ²	402	57.0	24.5/38.0 ²	52.0
8	12.90	21.50	6.55	6.75	13.2	677	84.5	49.5	76.3
10	13.90	23.13	7.60	8.00	14.5	995	119.5	72.0	120.1
12	15.65	25.46	8.60	9.50	16.3	1749	181.5	95.0	163.0

NOTES: ¹ Weight of 2 Grooved Adapters with hardware; ² Model BV-0600/BV-0600GB

MATERIALS & DESIGN DATA

VENTURI BODY (PIPE)P235GH - PRESSURE VESSEL STEEL,
(EQUIVALENT TO ST 35),
230 PSI, -4°F to 250°F
STANDARD 150# CLASS B FLANGES
(MATES TO 125# FLANGES ALSO)

VENTURI INSERTP235T1 - CARBON STEEL
(EQUIVALENT TO ST 37)

FLANGESS235JR - CARBON STEEL, ASME B16.5,
STANDARD 150# CLASS B

BUTTERFLY VALVEEPOXY COATED CAST IRON, ASTM A126,
CLASS B, LUG TYPE BUTTERFLY VALVE,
225 PSIG, 250°F, 304 STAINLESS STEEL DISK,
416 STAINLESS STEEL SHAFT,
ON-OFF w/ HANDLE

BOLTSZINC PLATED STEEL

GROOVED ADAPTERSDUCTILE IRON, ASTM A 395, 175 PSIG, 250°F,
STANDARD 125# CLASS B FLANGES

ACCURACY±3%

FLOW RATE RECOMMENDATION GUIDE

SIZE [inches]	IDEAL FLOW RANGES [GPM]	
	Min. Flow (@ 10 Inch WC)	Max. Flow (@ 100 Inch WC)
2½	26.0	82.0
3	50.0	158.0
4	89.0	281.0
5	131.0	415.0
6	240.0	758.0
8	404.0	1,277.0
10	594.0	1,877.0
12	1,044.0	3,300.0

BASIC INSTALLATION NOTES

- MUST BE INSTALLED IN THE INDICATED FLOW DIRECTION
- CAN BE ROTATED 360° AROUND PIPE AXIS FOR INSTALLATION
- NO STRAIGHT PIPE DIAMETERS ARE REQUIRED
- ALLOW A MINIMUM OF 10 STRAIGHT PIPE DIAMETERS AFTER A PUMP DISCHARGE
- 150# CLASS B FLANGES ALSO MATE TO 125# FLANGES
- NVGB SHIPS WITH BUTTERFLY VALVE INSTALLED HAND TIGHT

ORDER DATA

Sample Part #:

N V G B - 0 4 0 0 -

Model

Size

Option Order Code (PTE)

Option Order code (HT)

Option Order code (GB)

ACCESSORIES

Order Code	Part No.	Description
<input type="checkbox"/>	GB BV-0600GB. GEARBOX WITH HAND WHEEL (for 6" only)
<input type="checkbox"/>	H HT. HANGING TAG with Model No., Location (Maximum 7 Characters)
<input type="checkbox"/>	X PTE. PRES / TEMP TEST PLUG EXTENSION 1½" O.A.L.

PROJECT _____

CONTRACTOR _____

PO/JOB NO. _____

ENGINEER _____

REPRESENTATIVE _____

DATE _____

For part numbers and ordering information please consult
the "Ordering Guide" section in Nexus Catalog.