



TITAN FLOW CONTROL, INC.

SWING CHECK VALVE ♦ PRESS-CONNECT ENDS

NAVAL BRASS ♦ 200 WOG

MODELS: CV 37-NB



POTABLE WATER

FEATURES

SIZE RANGE : 1/2" ~ 2"

◇ CERTIFICATIONS

ALL TITAN PRESS-FIT PRODUCTS ARE TESTED AND CERTIFIED PER NSF/ANSI 61 DRINKING WATER SYSTEM COMPONENTS - HEALTH EFFECTS AND NSF/ANSI 372 DRINKING WATER SYSTEM COMPONENTS - LEAD CONTENT

◇ PRESS-CONNECT END DESIGN

PRESS FITTING IS A METHOD OF CONNECTING PIPES AND FITTINGS WITHOUT WELDING, THREADING, OR SOLDERING. PRESS FIT WORK BY USING A SPECIAL TOOL THAT APPLIES PRESSURE TO THE FITTING AND THE PIPE WITH A COMPRESSING SEALING ELEMENT THAT CREATES A WATER TIGHT AND GAS TIGHT CONNECTION. PRESS FIT CONNECTIONS ARE DESIGNED FOR INSTALLATION ON ASTM B88 TYPES K, L, AND M HARD DRAWN COPPER TUBING. COILED (ANNEALED) SOFT COPPER TUBING IS NOT RECOMMENDED. TITAN'S PRESS-FIT PRODUCTS ARE COMPATIBLE WITH COMMERCIALY AVAILABLE VUS PROFILE JAWS.

◇ LEAK DETECTION O-RINGS

LEAK-BEFORE-PRESS O-RINGS CREATE LEAK PATHS MAKING IT EASIER TO DETECT UNPRESSED JOINTS.

TECHNICAL

PRESSURE/ TEMPERATURE RATING
Size : 1/2" ~ 2"

WOG (Non-shock): 200 PSI @ 100 °F

MAX SERVICE TEMPERATURE

0 ~ 250 °F

- NSF/ANSI 61
- NSF/ANSI 372

APPLICATIONS

MARKETS: GENERAL INDUSTRY, CHEMICAL, POWER, AND FOOD & BEVERAGE. FIRELINES, RISERS, & SPRINKLER SYSTEMS.

SERVICE: INTENDED FOR LIQUID SERVICE THAT IS STEADY, CLEAN (NO ABRASIVES OR SOLIDS) AND NON-PULSATING. FLOW RATE SHOULD NOT EXCEED 15 FT/SEC. CONTINUOUS SERVICE NOT RECOMMENDED FOR STEAM OR RECIPROCATING COMPRESSOR SERVICE.

EPDM PROPERTIES: PROBABLY THE MOST WATER RESISTANT RUBBER AVAILABLE. IT HAS GOOD RESISTANCE TO MILD ACIDS, ALKALIS, SILICONE OILS/GREASES, KETONES, ALCOHOLS AND OTHER POLAR SOLVENTS. IT IS NOT RECOMMENDED FOR USE WITH PETROLEUM OILS, DI-ESTER LUBRICANTS, MINERAL OILS, NON-POLAR SOLVENTS OR AROMATIC FUELS.

The above data represents common market and service applications. No representation or guarantee, expressed or implied, is given due to the numerous variations of concentrations, temperatures and flow conditions that may occur during actual service.

TITAN® FLOW CONTROL, INC.
YOUR PIPELINE TO THE FUTURE!

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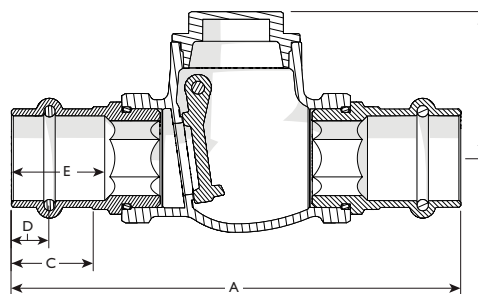
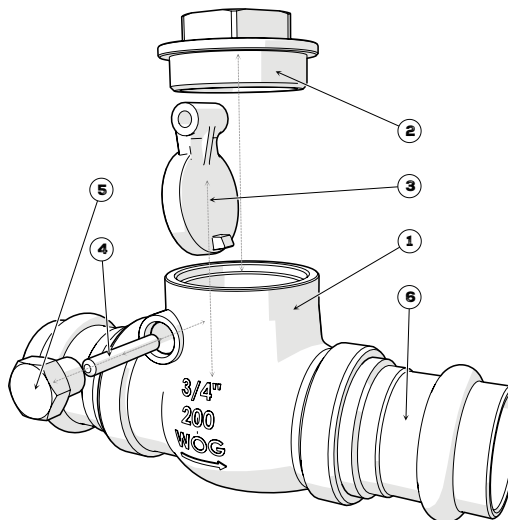
SWING CHECK VALVE
CV 37NB - NAVAL BRASS
Press-connect

WOG
200

BILL OF MATERIALS ⁽¹⁾

No.	PART	CV 37NB
1	Body	Brass - Copper Alloy (Naval Brass) UNS C46400
2	Cover/Cap	Brass - Copper Alloy (Naval Brass) UNS C46400
3	Disc	Brass - Copper Alloy (Naval Brass) UNS C46400
4	Pin	ASTM B16-C36000
5	Screw	ASTM B16-C36000
6	Press-Fit Adapter	Brass - Copper Alloy (Naval Brass) UNS C46400 w/ EPDM seals

1. Bill of Materials represents standard materials. Equivalent or better materials may be substituted at the manufacturer's discretion.

**DIMENSIONS AND PERFORMANCE DATA ⁽¹⁾**

SIZE	in	1/2	3/4	1	1 1/4	1 1/2	2
	mm	15	20	25	32	40	50
A DIMENSION FACE TO FACE	in	4.00	4.65	5.18	5.75	6.57	8.00
	mm	101	118	132	146	167	202
B DIMENSION CENTERLINE TO TOP (CAP)	in	1.46	1.54	1.73	1.97	2.17	2.56
	mm	37	39	44	50	55	65
C DIMENSION	in	0.67	0.83	0.87	0.87	1.02	1.26
	mm	17	21	22	22	26	32
D DIMENSION	in	0.31	0.39	0.39	0.39	0.49	0.57
	mm	8	10	10	10	12.5	14.5
E DIMENSION Insertion	in	0.83	0.94	1.06	1.10	1.38	1.61
	mm	21	24	27	28	35	41
APPROXIMATE ASSEMBLED WEIGHT	lb	0.46	0.71	1.06	1.54	2.23	3.53
	kg	0.018	0.028	0.042	0.061	0.088	0.139

1. Dimensions and weights are for reference only. When required, request certified drawings.
2. Face to face values have a tolerance of ±0.06 in (±2.0 mm).

PRESSURE - TEMPERATURE RATING

UNS C46400 1/2" ~ 2"
WOG (Non-shock): 200 PSI @ 100° F

REFERENCED STANDARDS & CODES

STANDARD	DESCRIPTION
ASME B16.51	Standard Specification for copper and copper alloy press-connect pressure fittings
NSF/ANSI 61	Drinking water systems components - Health Effects
NSF/ANSI 372	Drinking water systems components - Lead Content