

SPECIFICATIONS

FIGURE X431
BRASS BODY CHECK VALVES



IN-LINE LOW-LEAD COMPLIANT WATER SERVICE W/ PRESS ENDS

The FNW Figure X431 press check valve for water service is suggested for all applications where labor and time savings are a must. Figure X431 allows quick installation on copper pipelines meeting ASTM B88 standards. The structure of the valve, made in dezincification-resistant brass, guarantees excellent corrosion resistance, particularly in the connection areas of the pipeline.

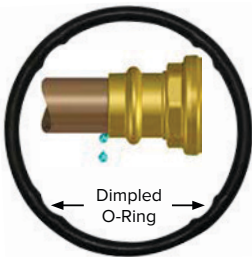
FEATURES

- 200 psi max working pressure
- Temperature range from 10°F–250°F
- Press ends
- High capacity
- NSF 61 Annex G certified (UL) (Annex G references NSF 372)
- True 2-piece design
- Drip fit O-rings
- No soldered-in end pieces
- Low 1/2 psi cracking pressure
- Patented obstructor guide prevents side loading
- Flow profile designed to minimize head loss
- Spring-loaded soft seat for bubble tight shutoff
- Forged brass body
- Sizes 1/2"–2"
- 100% DZR brass offering greater protection from corrosion and cracking
- **NOT RECOMMENDED FOR BURIED SERVICE**

Low-Lead Compliant: Referring to laws defining "Lead Free" as wetted surface of pipe, fittings and fixtures in potable water systems that have a weighted average lead content ≤ 0.25% per the Safe Drinking Water Act (Sec. 1417) amended 1-4-2011 as well as other state regulations.



DRIP FIT O-RINGS



The drip fit O-rings ensure that an unpressed end will drip. This is an added safety feature to ensure unpressed ends are discovered and corrected.

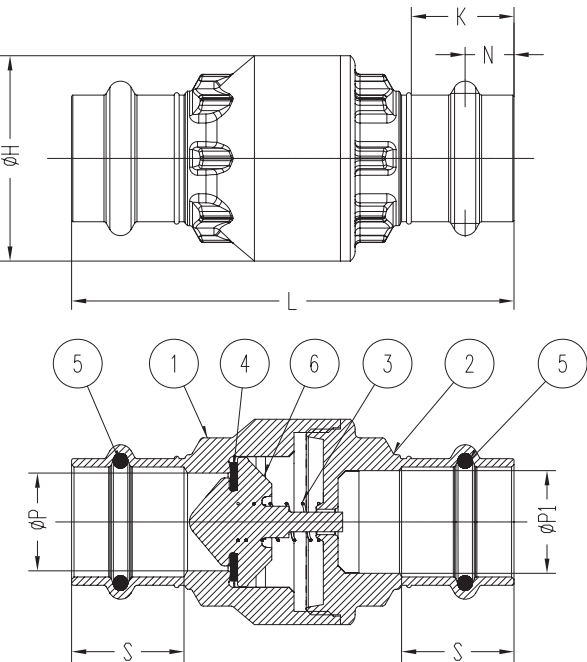
Catalog Number	Size		Flow		Wt.	
	in.	mm	Cv	Kv	lbs	kg
FNWX431D	1/2	13	5.2	4.5	0.34	0.15
FNWX431F	3/4	19	9.4	8.1	0.56	0.25
FNWX431G	1	25	14.5	12.5	0.85	0.39
FNWX431H	1-1/4	32	23.5	20.3	1.19	0.54
FNWX431J	1-1/2	38	33.5	28.9	1.92	0.87
FNWX431K	2	51	52	44.9	2.86	1.30

FIGURE X431
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PARTS DIAGRAM



PART MATERIALS & QUANTITY

Ref #	Description	Material	Qty
1	Body	Brass CW 511L	1
2	End Connection	Brass CW 511L	1
3	Spring	Stainless Steel AISI 302	1
4	Gasket Ring	NBR	2
5	O-Ring	EPDM	2
6	Obstructor	Polyetherimide	1

DIMENSIONS (INCHES)

Size	ØP	ØP1	S	K	N	ØH	L
1/2	0.59	0.59	0.71	0.67	0.31	1.36	2.99
3/4	0.79	0.83	0.91	0.83	0.39	1.65	3.56
1	0.98	1.07	0.94	0.83	0.39	1.93	3.94
1-1/4	1.26	1.34	1.02	0.83	0.39	2.40	4.09
1-1/2	1.57	1.57	1.42	1.02	0.49	2.87	4.98
2	1.97	1.97	1.57	1.20	0.59	3.46	5.61