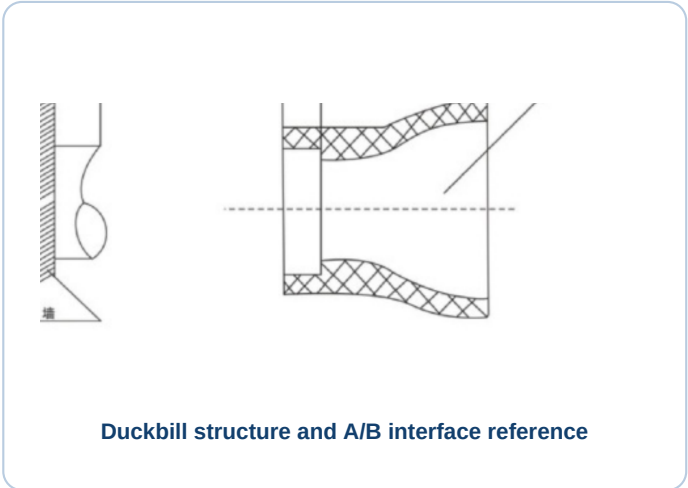




Rubber Duckbill Check Valve for Sewer & Stormwater Backflow Prevention

XH81 / XH81A / XH41 | Passive one-way flow control | Standard supply + fast custom production



Key Supply & Configuration Data

Models	XH81 / XH81A / XH41; current catalog family for rubber duckbill check-valve service
Catalog Size Range	DN20-DN2400
Operating Principle	Elastomeric lips open under forward differential pressure and close under reverse pressure
Actuation	Self-acting; no external power or manual operator required
Connection Variants	XH81 curved duckbill type / XH81A flanged type / XH41 clamp type
Rubber Compound	Selected according to wastewater, stormwater, seawater or other confirmed service conditions
Applications	Sewer and wastewater discharge, stormwater drainage, dam/outfall service, airport/highway drainage and odor isolation
Hydraulic Selection	Opening head, head loss, maximum backpressure and solids envelope are configuration-specific and must be confirmed for the project
Production	Common configurations in stock + fast custom production

Stock & Custom Production

- Common sizes and standard configurations are kept in stock for immediate shipment.
- Custom production can start the same day after drawing and specification confirmation.
- Size, installation interface, connection style, elastomer formulation and project-specific geometry can be produced to approved requirements.



Installation Interface & Arrangement Reference

Mingchao catalog A/B interface data and typical installation arrangements for the XH81 / XH81A / XH41 family.

Catalog A/B Interface Dimensions

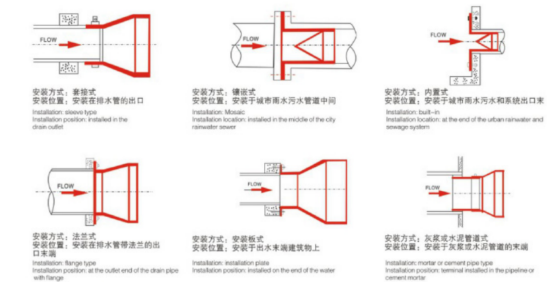
All dimensions in mm

Fit Pipe Diameter	Valve Step A	Pipe Connection B
1/2"-3/4"	15	15
1"-1 1/4"	20	20
1 1/2"-2 1/2"	25	25
3"	40	40
4"	50	50
6"	50	50
8"	50	50
10"	50	50
12"-14"	100	100
16"-20"	150	150
24"-36"	200	200
42"	250	250
48"-60"	300	300
72"	400	400

Catalog note: DN800-DN1800 / 32"-72" configurations use double hoops.

Typical Installation Arrangements

安装结构示意图



Catalog arrangements include sleeve, inline/mosaic, built-in, flange, installation-plate and mortar/cement-pipe configurations.

Selection & Quotation Note

For quotation, provide DN or pipe outside diameter, selected XH81/XH81A/XH41 connection style, installation position, forward-flow direction, expected upstream/downstream water levels or differential pressure, medium, quantity and drawing/site photo if available. Opening-head, head-loss, backpressure and leakage performance must be confirmed for the selected configuration rather than assumed from generic values.

For detailed technical requirements, custom configurations or project questions, please contact us.