

# WX-LOK



2019

## 浙江伟鑫金属制品有限公司

ZHE JIANG WAYSING METAL PRODUCTS CO.,LTD



WAYSING Fittings For Petrol Tankers and Oil Terminals

[www.waysing.com](http://www.waysing.com)



## Brief introduction



Zhejiang Waysing Metal Products Co.,Ltd has been a leading hose fitting manufacturer in China since 1996. with a variety of products. We service a wide range industries fields including petrol tanker, oil field and terminals etc.

We have got the certification of ISO9001 since the year of 2004

Through hard working during the past decades.Waysing can now supply different kinds of products to meet customer's requirements in order to supply hose and fittings for Oil terminals and Petrol Tankers.



The series products as below:  
4" API bottom Unloading Valve  
4" API Loading Couplers  
Break-away valve  
Composite hose and couplings  
Flanges



## API Bottom Loading Couplers



### Applications:

API couplers are used at the petroleum loading rack for bottom loading of petroleum tankers. They are mounted to the rack loading arm, using the built in 4" TTMA flange connection. When the empty Petroleum tanker pulls into the loading rack to load, the API couplers are connected to the API valves on the tanker. The connection interface consists of a poppet and a plunger, which ensures a positive spill free connection.

We have two versions: semi-auto version and manual version.

Size	Part Number
4"semi-auto	BLC-400A-AL
4"manual	BLC-400M-AL

### Construction

- ◆ A356 T6 aluminum anodized hard coat body with aluminum handle and stainless steel hardware
- ◆ Viton seals
- ◆ Hardened 17-4PH stainless steel link, shaft, pin and crank
- ◆ Stainless steel cam

### Specifications

Working pressure: 10bar (150psi)

Temperature Range: -20°F to 250°F  
(-29°C to 121°C)

Made according to the API RP 1004(2003)

### Features

- ◆ Modular design, allows various face seal combinations to be compatible with different alternative fuel / performance levels and applications
- ◆ No special tools need for maintenance, very easy
- ◆ Shaft seals can be changed without removing coupler from loading arm
- ◆ Locking 5 cam design for easy alignment and tight connection and safety interlock to help ensure coupler properly attached before valve opens.
- ◆ Ball-end handle for easy, comfortable operation
- ◆ Bonded nose seal offers a long life and cannot be washed out

## Break-away valve



### Applications:

Coupling is designed to minimize spillage and damage associated with pull away incidents.

Typically used in ship-to-offshore platform and ship-to-ship product transfer operations

Size	Part Number
4"	BWV-400-AL

### Construction

- ◆ Aluminium body
- ◆ Viton or NBR seals

### Specifications

Maximum operating pressure: 15bar

Made according to the API RP 1004(2003)

Available size: 4"

### Features

- ◆ Designed to be installed within a hose string where the coupling will have a length of hose attached to both sides.
- ◆ Coupling automatically senses an excessive load, closes the valves and disconnects.
- ◆ Release is executed when force causes bolts to break.

## Double Flange coupling



### Application:

Connecting with oil vapor recovery part and bending flange couplings.

Material: Aluminum

### Construction:

4"ANSI Flange with 4" ANSI Flange .



## Oil vapor Recovery Female coupler

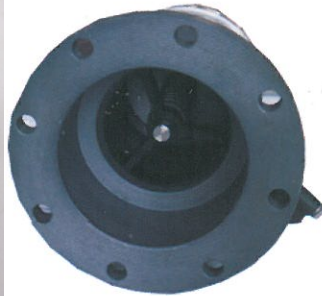


### Application:

The oil and gas recovery system and the tanker oil and gas recovery system form a closed loop system, which effectively recycles the oil and gas generated during the refueling process of the gas station to avoid oil and gas diffusion.

Size	Part Number
4"	VRF-400-AL

## Oil vapor Recovery Male adapter



### Application:

Connected with tanker and oil recovery valve female coupler

Size	Part Number
4"	VRM-400-AL

## Construction

- ◆ Brass arms with stainless steel pins
- ◆ Plated carbon steel finger rings
- ◆ Buna-N gasket
- ◆ Stainless steel Probe

## Specifications

4" standard ANSI Flange

Connect with all the couplings made by API  
Rp10047

## Features

- ◆ Compact and light valve body make the gas flow well. It can help the oil flowing in the tank.
- ◆ The valve rod opens into the tank to Prevent leakage caused by high pressure when the tanker is tipped over.
- ◆ Installed on the oil and gas recovery system to control the opening and closing of the oil and gas recovery valve.



## Dry disconnect coupler



Size	Body size	Part Number	
2"	70mm	DDC200-AL	DDC200-SS
3"	105mm	DDC300-AL105	DDC300-SS105
3"	119mm	DDC300-AL	DDC300-SS
4"	164mm	DDC400-AL	DDC400-SS

## Dry disconnect adapter



Size	Body size	Part Number	
2"	70mm	DDA200-AL	DDA200-SS
3"	105mm	DDA300-AL105	DDA300-SS105
3"	119mm	DDA300-AL	DDA300-SS
4"	164mm	DDA400-AL	DDA400-SS

### Features

◆ Dry disconnect coupling also called dry break coupling or dry break coupler, is a unique hose connection device providing an automatic mechanism to seal off both the hose and the fixed pipe end when the hose is disconnected. Dry Disconnect Couplings are optimized for safe handling of liquid and vapor with minimum spill during connection and disconnection.

◆ It all works on the following principle: the two coupling halves, usually a male part (fixed coupling that is tank unit or adapter) and a female part (hose coupling that is hose unit or coupler) are in separate state locked by a locking mechanism, so that no medium can escape. When the two halves are initially connected with each other tightly before the locking mechanism can be opened and it provides media a flow channel within the clutch free. Conversely before separating the two coupling halves closed again only and thus the flow channel is closed.

### Construction

- ◆ Corrosion resistance
- ◆ High strength
- ◆ Sturdiness

### Specifications

Working pressure : 20bar

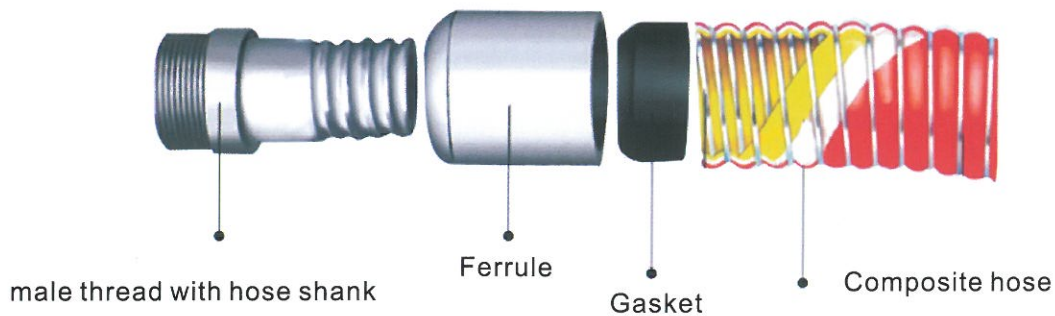
Made according to NATO standard STANAG 3756

Optional seals: EPDM, NBR, VITON,

Available size: 2" 3" 4"



## Composite hose ASSEMBLY



## Composite hose for Tankers



### Features:

Maximum work pressure: 0.7MPa

Temperature Range: -30°C to 80°C (-22°F to +176°F)

Media: Oil and Chemistry

Construction:

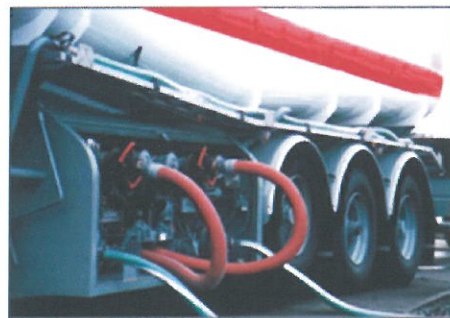
Inner wire: High-strength and light galvanized steel, SS 304 or SS316

Inner interlayer: Polypropylene

Cover: PVC

Outer wire: High-strength and light galvanized steel, SS 304 or SS316

## Application



## Technology data

Part No.	I.D.		Maximum W.P.	Minimum Bending Radius	Weight
	in	mm			
TH-7-100	1	25	0.7	125	1.00
TH-7-150	1-1/2	40	0.7	125	1.25
TH-7-200	2	50	0.7	150	1.50
TH-7-250	2-1/2	65	0.7	150	1.85
TH-7-300	3	80	0.7	250	2.50
TH-7-400	4	100	0.7	300	3.20



## Standard Composite hose



### Features:

Maximum work pressure: 1.6MPa

Temperature Range: -30°C to 80°C (-22°F to +176°F)

Media: Oil and Chemistry

### Construction:

Inner wire: Hot Galvanized steel, SS 304 or SS316

Inner interlayer: Polypropylene , PTFE

Cover: PVC

Outer wire: Hot galvanized steel, SS 304 or SS316

It can be used for transferring almost liquid.

## Application



## Technology data

Part No.	I.D.		Maximum W.P.	Minimum Bending Radius	Weight
	in	mm			
GH-100	1	25	1.6	200	1.35
GH-150	1-1/2	40	1.6	200	1.80
GH-200	2	50	1.6	225	2.45
GH-250	2-1/2	65	1.6	225	3.20
GH-300	3	80	1.6	350	4.20
GH-400	4	100	1.6	400	4.90
GH-600	6	150	1.6	575	12.9
GH-800	8	200	1.6	800	20.1
GH-1000	10	250	1.6	1000	26.5
GH-1200	12	300	1.6	1200	31.8



## Aluminum Male Camlock



2"	E-200S-AL
3"	E-300S-AL
4"	E-400S-AL

## Aluminum Female Camlock



2"	C-200S-AL
2.5"	C-250S-AL
3"	C-300S-AL
4"	C-400S-AL

## Ss316 Male Camlock



2"	E-200S-SS
3"	E-300S-SS
4"	E-400S-SS

## Ss316 Female Camlock



2"	C-200S-SS
3"	C-300S-SS
4"	C-400S-SS

## Aluminum Male Thread



2"	MT-200S-AL
3"	MT-300S-AL
4"	MT-400S-AL

## Ss316 Male Thread



2"	MT-200S-SS
3"	MT-300S-SS
4"	MT-400S-SS

## Carbon Steel Floating End TTMA Flange



2"	KC-200S-FF
3"	KC-300S-FF
4"	KC-400S-FF

## Carbon Steel Weld End TTMA Flange



2"	KC-200S-F
3"	KC-300S-F
4"	KC-400S-F



## Aluminium Camlock With Jackscrew



2"	C-200S-AL
3"x2"	C-3020S-AL
3"	C-300S-AL
4"	C-400S-AL

## Carbon Steel Ferrule



1-1/2"	CHCF-150-S
2"	CHCF-200-S
2-1/2"	CHCF-250-S
3"	CHCF-300-S
4"	CHCF-400-S

## Ss304 Ferrule



1-1/2"	CHCF-150-SS
2"	CHCF-200-SS
2-1/2"	CHCF-250-SS
3"	CHCF-300-SS
4"	CHCF-400-SS

## Aluminum Ferrule



1-1/2"	CHCF-150-AL
2"	CHCF-200-AL
3"	CHCF-250-AL
4"	CHCF-300-AL

## VITON Gasket



2"	CHCG-200-VT
3"	CHCG-300-VT
4"	CHCG-400-VT

## NBR



2"	CHCG-200-NR
3"	CHCG-300-NR
4"	CHCG-400-NR

## Steel KC with melico hose shank



2"	KC-200S-S
3"	KC-300S-S
4"	KC-400S-S

## Grooved KC with melico hose shank



2"	GKC-200S-S
3"	GKC-300S-S
4"	GKC-400S-S



## MB aluminium



2"	MB50-AL
3"	MB80-AL
4"	MB100-AL

## VK Brass



2"	VK50-BR
3"	VK80-BR
4"	VK100-BR

## VB aluminium



2"	VB50-AL
3"	VB80-AL
4"	VB100-AL

## MK Brass



2"	MK50-BR
3"	MK80-BR
4"	MK100-BR

## DIN2817 Safety clamp



ND50*8	AL	SS
ND50*10	AL	SS
ND100*8	AL	SS
ND100*10	AL	SS

## Brass Male hose tail BSPP



2"	GA200-BR
3"	GA300-BR
4"	GA400-BR

## API coupler with male thread



4"x3"	1004GA-300M
4"x4"	1004GA-400M

## API coupler with Adapter



4"x3"	1004GA-300
4"x4"	1004GA-400





## The Authentication Certificate of Quality Management System

### ZHE JIANG WAYSING METAL PRODUCTS CO.,LTD

REGISTERED ADDRESS: WEST SITE OF SHUANG SHAN ROAD,ECONOMICAL DEVELOPMENT  
ZONE, WUKANG TOWN DEQING COUNTY,ZHEJIANG,CHINA  
PRODUCTION/BUSINESS/OFFICE ADDRESS: NO.150 WEST SITE OF SHUANG SHAN ROAD,ECONOMICAL  
DEVELOPMENT ZONE, WUKANG TOWN DEQING COUNTY,ZHEJIANG,CHINA

Is in conformity with  
**GB/T19001-2016/ISO9001:2015** standard requirements

The certificate is valid for the following scope:

**MANUFACTURE METAL PRODUCTS(CAM AND GROOVE COUPLINGS & SERVICE)**

Registration No. of Certificate:	05318Q30174R0M
Date of the Awarded Certificate:	24-01-2018
Term of the Certificate's Validity:	24-01-2018~23-01-2021
Date of the First Authentication:	24-01-2018
Enterprise Organization Code:	913305006899966520

This certificate in the provisions of the state's administrative license, qualification within the scope of used together shall be valid

The certificate information can be in the Certification and Accreditation Administration of the

People's Republic of China web site inquiries ([www.cnca.gov.cn](http://www.cnca.gov.cn))

If not stick the laser surveillance mark after the date of surveillance expires, this certificate is invalid

This Certificate is issued in both Chinese and English. In the event of any discrepancy between the two versions, the Chinese version shall prevail

The first surveillance	Mark stick here	The second surveillance	Mark stick here
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中国认可  
国际互认  
管理体系  
MANAGEMENT SYSTEM  
CNAS C053-M

General Manager:

*Zhaolong*

Registered Address of Certification Authority: 701, No. 7 Jianguomennei Street, Dongcheng District, Beijing.  
Mailing Address of Certification Authority: Rm. 701, Block 1, Guanghua Chang'an Building, No. 7 Jianguomennei Street,  
Dongcheng District, Beijing. Tel: 010-50981300 P.C.: 100005 Http://www.ngv.org.cn



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