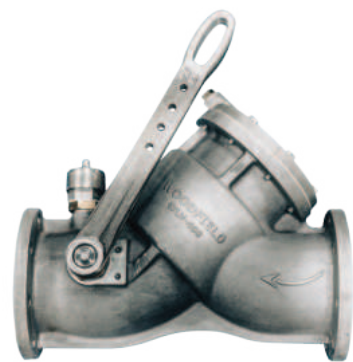


**WOODFIELD**

**ACCESSORIES**



## ACCESSORIES



### STANDARD FEATURES

Loading Valve is specifically designed for use in top loading arm applications for Hydrocarbon Product. Manually operated “dead man” style with spring-loaded handle to ensure the operator is present whenever the product is flowing into the tank.

**2 stage “soft” close** greatly reduces hydraulic hammer when valve is closed against a flowing product.

**Loading Valve is available in 3”, 4” and 6”** size with TTMA inlet and outlet flanged connections.

Optional integral vacuum breaker.

Optional remote operation handle.



### STANDARD FEATURES

#### 4 Lug Design

Automatic snap on functionality with unique stainless steel 4 lug design

#### Stainless Steel Outer Sleeve

SS outer sleeve for long life durability

#### Hard Anodized Body

Aluminum hard anodized body

#### Easy Strip Serviceability

The infield removable handle and poppet will get you back to work quicker with minimal down time when nose seal replacement is required

### TECHNICAL FEATURES

#### Working Pressure

Up to 10 bar (145 psi)

#### Max surge pressure

Up to 34 bar (493 psi)

#### Test pressure

15 bar (217 psi)

**Max recommended flow inline** with RP API 1004 8th edition

#### Temperature Range

**WV 400 VB** -30°C to +100°C  
(-22 °F to 212 °F)

**WV 400 VT** -40°C to +100°C  
(-40°F to +212°F)

**WV 400 NL** -30°C to +100°C  
(-22°F to +212°F)

#### Seals

**WV 400 VB** Viton B

**WV 400 VT** Viton GFLT

**WV 400 NL** Nitrile

#### Weight

18.7# (8.5 kg)

#### Flange

4” TTMA

## QUICK



### STANDARD FEATURES

Major chemical, petrochemical, LPG, Propane/Butane

Safe & reliable

Easy to use

Can handle explosive & hazardous services

Safety factor 5

Spill Free Connection  
Disconnection Operation

Robust construction

ATEX compliant

CE – Certified

### OPERATION PHILOSOPHY

W-QDC is 2 stage operation coupling. To connect hose unit to tank unit, first turn handle by 15° clock wise. To open the valves rotate the handle further by 90°.

This “two-step operation” ensures spill free transfers

### TECHNICAL SPECIFICATIONS

	WVH SERIES	WVL SERIES	WVC SERIES
Model	WVH10, WVH20, WVH30, WVH40	WVL20, WVL30	WVC20, WVC30, WVC40
Sizes available	1”, 2”, 3”, 4”	2”, 3”	2”, 3”, 4”
Material of construction	Stainless Steel, Aluminum, AISI 904L, Monel, Titanium (Others on request)	Stainless Steel	Stainless Steel
Seal Material	Viton-B, Viton-GFLT, Nitrile/Buna, (others on request)	Viton-B, Viton-GFLT, Nitrile/Buna, (others on request)	IPTFE/UHMWPE
Design pressure	25 bar (362.5 psi)	25 bar (362.5 psi)	25 bar (362.5 psi)
Test pressure	37.5 bar (543.8 psi)	37.5 bar (543.8 psi)	37.5 bar (543.8 psi)
Operating temperature	<b>Viton-B:</b> -30°C to +100°C (-22 °F to 212 °F) <b>Viton GFLT:</b> -40°C to +100°C (-40 °F to 212 °F) <b>Nitrile/Buna:</b> -30°C to +100°C (22 °F to 212 °F)	<b>Viton-B:</b> -30°C to +100°C (-22 °F to 212 °F) <b>Viton GFLT:</b> -40°C to +100°C (-40 °F to 212 °F) <b>Nitrile/Buna:</b> -30°C to +100°C (22 °F to 212 °F)	-196°C to +100°C (-320.8 °F to 212 °F)
Safety factor	5	5	5
End connection	Threaded end (BSP/NPT) Flange end (ASME/DIN)		
Applications	Chemical, Petro-chemical, Acid, Alkali etc.	LPG, Propane, Butane, Ammonia	LNG, Ethylene, Liquid Nitrogen



**SHEAR PIN TYPE (S-ERC)**



**CABLE RELEASE TYPE C-ERC)**

### STANDARD FEATURES

- Spill-free separation
- Coupling automatically senses an excessive load and closes the valves and disconnects
- High flow rate
- Low pressure drop
- Easy maintenance and onsite maintenance is possible

### OPERATION PHILOSOPHY

#### Shear Pin Type (S-ERC)

Non-axial forces are generated on the shear bolts as the tanker moves in case of an emergency. Since these bolts are sheared, they instantly close the two valves present inside the ERC and prevent spillage.

#### Cable Release Type (C-ERC)

Non-axial forces are generated when a tanker moves, in case of an emergency. These forces are transferred to the ERC spring plungers by a cable, which separates them and instantly shuts both valves inside. This prevents spillage.

### TECHNICAL SPECIFICATIONS

Type / Model	Shear pin type (S-ERC), Cable release type (C-ERC)
Sizes Available	2", 3", 4"
Shear Bolt (For S-ERC)	13kN, 24kN, 33kN & 45kN
Material of construction	Stainless Steel , Aluminum, 904L, Hastelloy, Duplex steel **Other materials available on request
Seals	Viton B, Viton GFLT, Nitrile/Buna **other materials on request on request
Test Pressure	38 bar (May vary upon size and material)
Working Pressure	Max. 25 bar (May vary upon size and material)
Operating Temperature	Viton-B: -40°C to +100°C (-40°F to 212°F) Viton GFLT: -40°C to +100°C (-40°F to +212°F ) Nitrile/Buna: -30°C to +100°C (-22°F to 212°F)
End Connections	Flanged end/Threaded end (BSP/NPT)
Applications	Tank truck loading / unloading arm / hose for LPG, Propan, Ammonia, Chemicals, and Hydrocarbon
Certification	EN 10204 Type 2.2 with all supplies. On demand EN 10204 Type 3.1, CE certification, ATEX certification



#### CONNECTED

ERC consists two halves and when connected allows maximum flow



#### DISCONNECTED

An activated ERC splits into the halves and the individual halves closes instantly to prevent spillage