



C2C TECHNOLOGY

Company Overview



C2C Technology Singapore Pte Ltd is a professional network with OEM manufactures from China and professional engineers from Singapore with aim to provide expert solutions to tank terminals, chemical logistics and petrol stations.

- Teampower Technology is a privately held company specialised in marine and land loading arm manufacturer
- EasyDry is our brand of Dry Disconnect Couplings
- EasyLok is our sub-brand of camlock fitting with Aluminum, Stainless Steel, Brass, Polypropylene and Nylon material



TRUCK LOADING
ARM



EasDry Dry Disconnect



MARINE LOADING
ARM



ACCESS PLATFORM



TANK VENT SYSTEM

Our Core Values

Do what's right
Work with integrity and look out for our customers and each other.

Do it well
Always strive towards continuous improvement and take pride in every job that you do.

Show people you care
Take extra steps to "wow" our customers and coworkers by providing service above and beyond what is expected.



TANK GUAGE SYSTEM



TANK TRUCK EQUIPMENT



SERVICE STATION SOLUTION



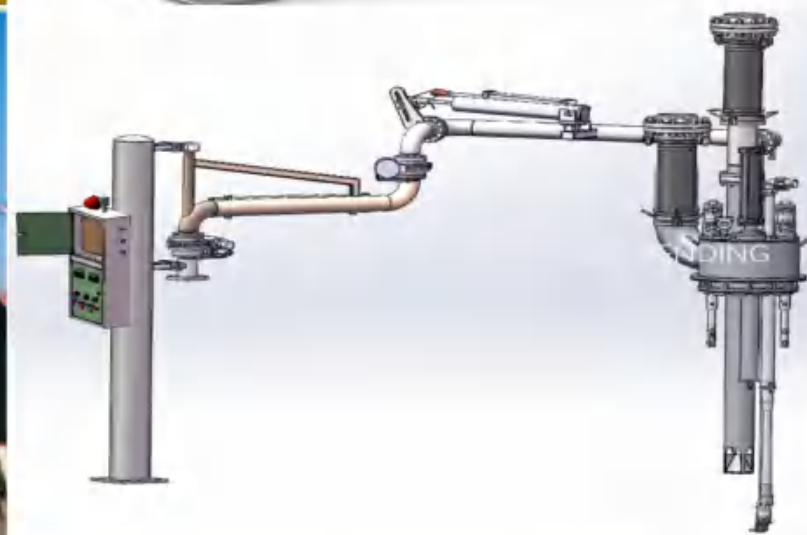
AUTOMATION &
COMMUNICATION



TANK VENT



Capabilities and Services



INDUSTRIAL SYSTEMS TECHNOLOGY

- Loading arm system
- Safety access system
- Rack monitor
- Tanktruck equipment
- Petrol Station equipment
- Storage tank IFR
- Storage tank PV vent & flame arrestor
- Valves & dry disconnect
- Explosion proof mobile and communication equipment

PROCESS TECHNOLOGY

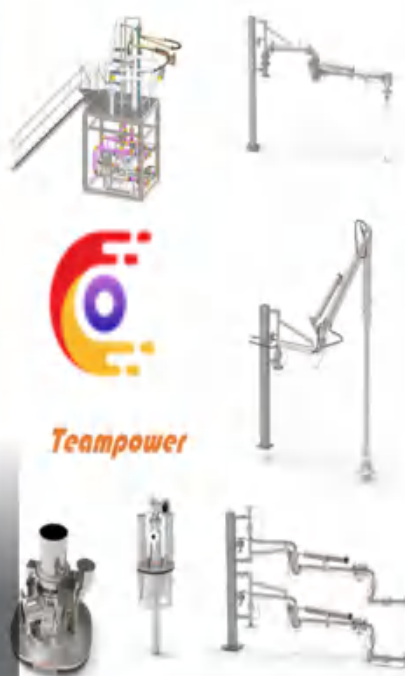
- Truck loading control & monitor
- Terminal SCADA
- On road tank truck monitor
- Tank Inventory management
- VOC reduction solution
- Loading & unloading process skid
- Terminal ERP system
- Terminal MES system
- Petrol Station Monitoring system
- AI based CCTV monitoring system

CAPABILITIES & SERVICES

- Terminal engineering & project management
- Design, Manufacturing & Installation
- Customised skid design & installation
- Large Parts Inventory
- Mobile Systems
- System Maintenance
- System Upgrade
- System Refurbishment
- 3D laser scan for as built drawing service
- Leasing program
- Special equipment sourcing service
- Equipment manufacturing supervision



TRUCK LOADING
ARM



Teampower



ACCESS



TANK VENT SYSTEM

Our Core Values

Do what's right

Work with integrity and look out for our customers and each other.

Do it well

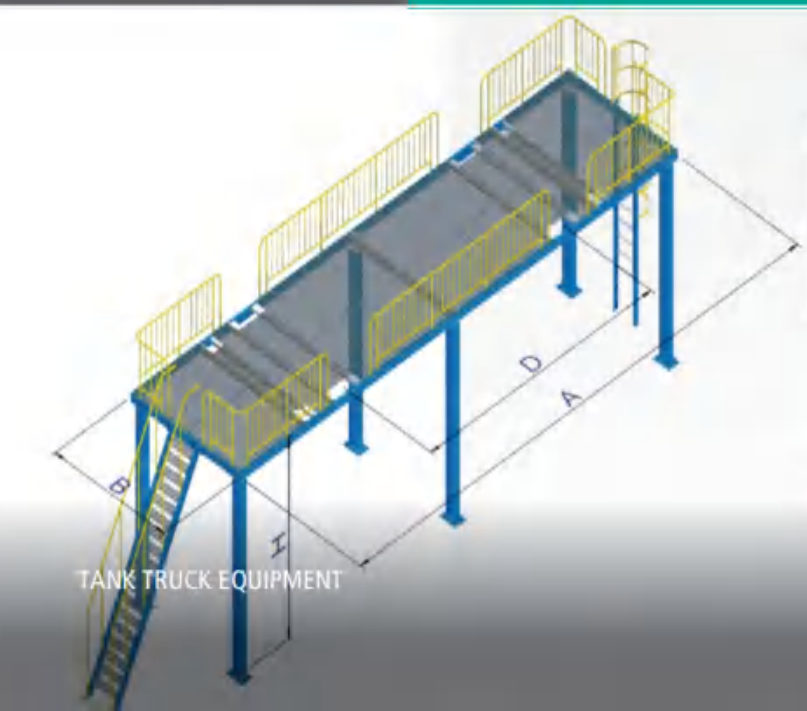
Always strive towards continuous improvement and take pride in every job that you do.

Show people you care

Take extra steps to "wow" our customers and coworkers by providing service above and beyond what is expected.



TANK GAUGE SYSTEM



TANK TRUCK EQUIPMENT



DRY DISCONNECT COUPLER

C2C Technology OEM Manufacturing Capability-China Based Factory:

- *Self-development, mold design
- *AL356 gravity casting+ T6 heat treatment
- *AL6061-T6 forging
- *BR C37700, Hpb59-1 and Hpb57-3 forging for the body and the accessories 100% leaking test before packing
- *Automatic processing
- *Stainless steel and steel products can be produced





EasyLok Camlock Coupling Distributor Price (USD)

EL



EL

ALUMINIUM	SIZE	A	B	C	D	E	F	DC	DP	SIZE	ALUMINIUM
	1/2"	\$0.71	\$1.44	\$1.47	\$1.44	\$0.66	\$0.83	\$1.44	\$0.71	1/2"	
	3/4"	\$0.75	\$1.59	\$1.64	\$1.46	\$0.71	\$0.87	\$1.46	\$0.75	3/4"	
	1"	\$0.80	\$1.85	\$2.13	\$1.91	\$0.99	\$1.07	\$1.85	\$0.80	1"	
	1 1/4"	\$0.99	\$3.09	\$3.44	\$3.27	\$1.47	\$1.64	\$2.96	\$0.99	1 1/4"	
	1 1/2"	\$1.22	\$3.39	\$3.81	\$3.48	\$1.80	\$1.74	\$3.20	\$1.07	1 1/2"	
	2"	\$1.49	\$3.96	\$4.50	\$4.08	\$2.69	\$2.46	\$3.69	\$1.49	2"	
	2 1/2"	\$2.54	\$4.55	\$5.45	\$4.91	\$3.62	\$3.42	\$4.29	\$2.24	2 1/2"	
	3"	\$2.84	\$6.23	\$7.11	\$6.53	\$4.55	\$4.79	\$5.48	\$3.05	3"	
	4"	\$5.06	\$8.49	\$10.20	\$8.91	\$7.98	\$8.96	\$7.82	\$5.01	4"	
	5"	\$7.25	\$11.00	\$14.03	\$11.22	\$10.85	\$10.38	\$9.20	\$6.50	5"	
	6"	\$9.75	\$18.18	\$23.31	\$20.48	\$18.23	\$17.24	\$15.86	\$8.87	6"	

Save Big on EasyLok Camlock Fittings!

[Shop Now](#)

Get the perfect camlock fitting for your industrial needs.

Dry Disconnect Couplings

Product Range

EasyDry **DDC Series**



All descriptive matter, illustrations, dimensions and weights issued in this brochure are for guidance only and cannot be held as binding in any way. We reserve the right to change specifications and other information included in this brochure without any prior notice. We recommend that you contact us to be sure that the information you have is current. All information given in this brochure has been carefully compiled and thoroughly checked. However, no responsibility for possible errors or omissions can be assumed.

Deciding Which Coupling to Use

What is Important?

Dry disconnect couplings are designed to prevent the loss of product when disconnecting hose lines and protecting the operator and the environment. Consideration of the following points will assist in making the best choice of couplings for your application:

Valve Type

Poppet, ball or butterfly. This is often a matter of personal preference but will also affect the performance of the coupling in terms of flow rate and spillage.

Acceptable Level of Spillage

Prevention of spillage on disconnection is the main reason for using dry disconnect couplings, but the acceptable level will vary greatly according to the application and environment. The couplings in this brochure offer a choice according to how critical this factor is.

Pressure Drop

Flow rate will vary greatly from one coupling type to another.

Interchangeability

Are there already couplings in use with which the couplings must interchange? Conversely, it may be important that the new couplings will not mate with existing fittings on site.

Method of Operation/Ease of Use

The position of connection or the familiarity of the operative with the design may make one type of coupling more suitable on a particular site.

Weight and Size

Weight will be important to the operator when moving the hose according to the frequency of connection, while size may be critical e.g. when the coupling must fit within the envelope of an IBC (intermediate bulk container).

Temperature/Pressure/Media/Nominal Bore

The chosen coupling must be available in the required size and pressure rating with materials compatible with the media, temperature and environment.

Safety for the Operative and the Environment

Apart from the level of spillage, prevention of accidental disconnection should be considered. This can be achieved with a mechanical interlock so that disconnection is only possible when the valve is closed.

Avoidance of Cross Contamination

Accidental connection of the wrong hose line can have serious consequences. Mechanical "keying" of the coupling – or the fitting of sensors – is an option in order to prevent this.

Potential for Abuse

Some couplings are more robust than others. For instance, Polypropylene is light and gives excellent resistance to aggressive chemicals but it may not be suitable in applications where the hose line is frequently thrown about.

Maintenance

Unfortunately, mechanical seals and other components do not last forever. On some couplings, the main seals can be changed in situ by experienced personnel, whereas other couplings may need to be returned to the workshop for repair with consequent downtime.

Cost

Oh yes, the cost! Apart from the cost of different materials, generally the coupling cost will be inversely proportional to the amount of spillage on disconnection. Put simply, the more critical the application is in terms of loss of product and protection of the operator and the environment, the more expensive the coupling!

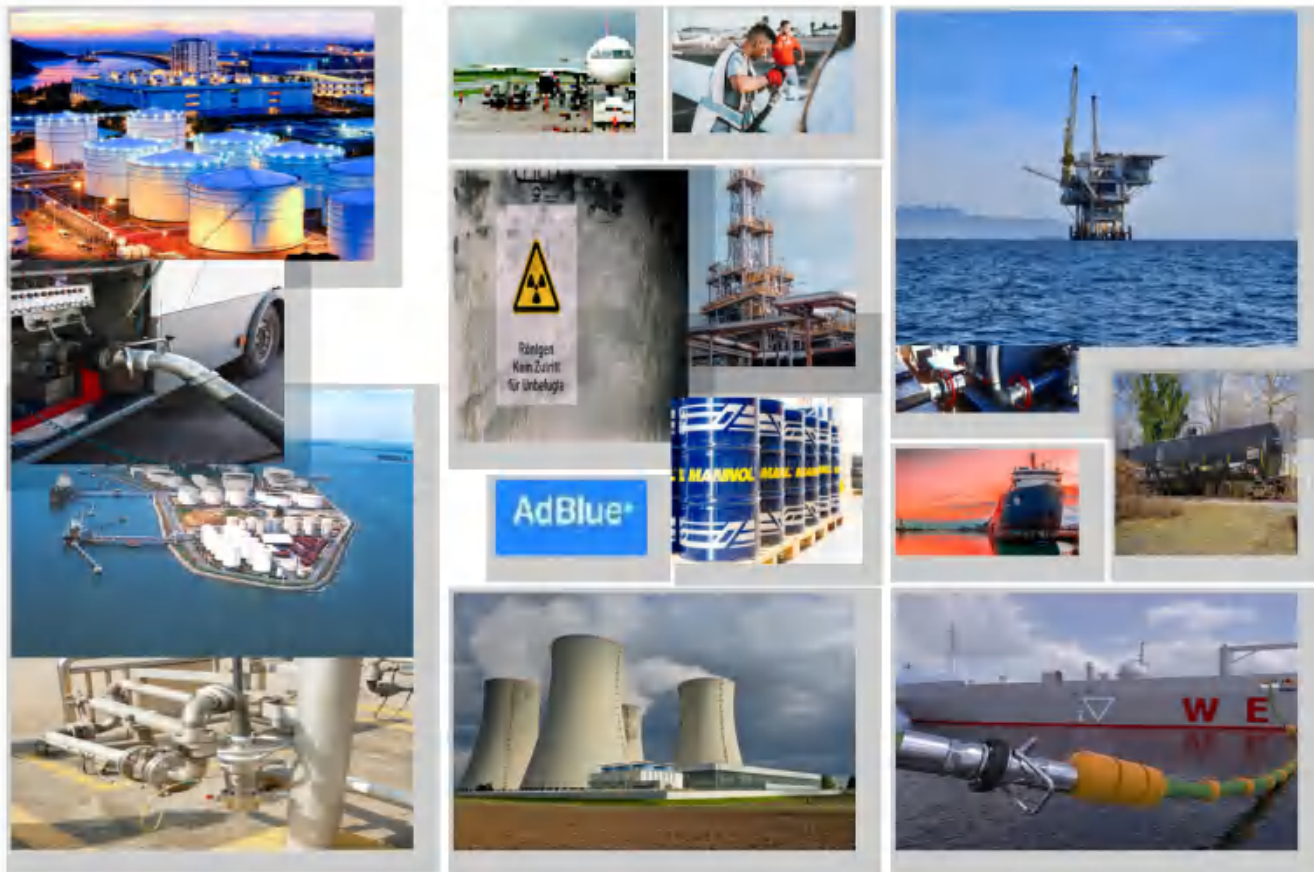


This list is not exhaustive – experience has shown that every new application brings different factors to bear in the best choice of dry disconnect couplings. We would be happy to discuss your specific requirements with you in order to provide further appropriate details and guidance with your selection.

EasyDry Quick Disconnects – Dry Breaks



Applications



Industrial Applications

- Bulk powder transfer (fine non-abrasive only)
- Nuclear coolant
- Aviation bunkering
- Brewery finished products ¹
- Food feedstock
- Pharmaceutical feedstock
- Hazardous waste transfer IBC container outlets
- AdBlue®-DEF

Oil & Chemical Applications

- Tanker top/bottom loading
- Bunkering
- Rail car outlets
- Rail shore side loading
- Paints & Inks
- Product processing transfer
- Rail locomotive fuelling
- Chemical transfer
- Petroleum transfer
- Bulk loading/discharge
- Loading arms
- Exchange manifolds
- Blending pits

Marine Applications

- Ship to shore transfer
- Ship to ship transfer
- Ship to rig transfer
- Wellhead material supply
- Temporary vent lines
- Ship manifold exchange
- Marine refuelling

EasyDry Quick Disconnects – Dry Breaks

Know Your Application

Copy this page and use it as a checklist

At any stage of this process please call us for any help or further information.

To make the best choice of coupling, you need to know your application by way of the following four primary areas:

- The media (and any different states it may have when flowing through the coupling)
- Size requirements (relating to nominal bore sizes of related pipe systems or the surroundings)
- Operating conditions (for the coupling and its environment)
- Coupling functionality (by way of type of valving, allowable spillage, interchangeability or other needs)

The following table expands on these four categories and can work as a checklist to enable you to make the correct choice.

What You Need to Know	This Will Help You Decide	Your Notes
Media		
Identify what will flow through the coupling set and associated piping. Determine for any state it may be in what compatibility requirements exist for the coupling body, seals and any other 'wetted' surfaces.	The material of manufacture for the coupling body, seals etc.	
Size		
Determine what nominal pipe size your coupling will be connected to. Do any overall physical size constraints exist for operation or maintenance?	The coupling nominal bore & end fitting size.	
Operating Conditions		
Temperature range of media Maximum working pressure requirements Flow rate required Maximum allowable pressure drop Acceptable spillage (usually measured in cc's) Any other special requirements, (e.g. vibration, prevention of cross connection, corrosive atmosphere).	In conjunction with the media and size information above, this information will focus more towards the coupling body and seal material compatibility.	
Functionality		
How do you need the coupling to seal when it is disconnected? Choose the option for single or double shut-off to suit the amount of acceptable spillage. Also remember to consider any interchangeability with any existing fitting.	The valving design you need.	

Product Information Summary



Hose Unit



Tank Unit

Pressure Specifications

Maximum allowable working pressure:
10 bar / 1000kPa

Test pressure: 15 bar / 1500kPa

Maximum coupling pressure:
4 bar / 400kPa

High Quality Materials

EasyDry are manufactured from Aluminium and 316 Stainless Steel. All internal parts are produced in 316 Stainless Steel.

Seal Materials

All Couplings come standard with Viton seals. Other types of seals are available on request such as Nitrile, Teflon, Neoprene, EPDM, Kalrez, Chemraz etc.

Optional Selectivity

It can be provided for the prevention of contamination due to incorrect connection and cross coupling.

Manufactured in accordance with NATO Specifications

EasyDry have been designed and manufactured in accordance with the NATO Stanag 3756 standard and interchangeable with other Dry Breaks, manufactured to the same standard.

Ergonomically Designed Handles

For added strength, all handles are made from Carbon Steel tube.

Uncomplicated Design

To ensure ease of maintenance, all seals are easily accessible and replaceable.

Minimum Number of Moving Parts

A low number of moving parts ensure longer product life.

Low Spillage on Disconnection

All EasyDry couplings disconnect with a minimal spillage. Disconnect tests, have determined that the spillage throughout the range is, on average, less than 1.3 millilitres per operation.

High Flow Rates – Low Pressure Drop

Size	Max Flow Rate
56mm	200 litres per minute
70mm	500 litres per minute
105mm	1,500 litres per minute
119mm	2,000 litres per minute
164mm	3,500 litres per minute
API	3,500 litres per minute

EasyDry Quick Disconnects – Dry Breaks

EASYDRY Dry Breaks-NATO Stanag 3756 Interchangeable

EasyDry
DDC Series

Hose Unit

Tank Unit



56mm Socket Range ¾" or 1" Nominal Bore

Specifications

The 56mm – 1" (25mm) nominal bore Dry Break Couplings are recommended for a wide range of applications including petrochemical, pharmaceutical, chemical and solvent applications.

Uses

The 56mm – 1" Dry Break coupling is recommended for all types of mini bulk liquid product transfer, including container and drum filling, or on any application where product contamination and spillage needs to be minimized. Flow rates up to a maximum of **200 L/min.**

70mm Socket Range 1½" or 2" Nominal Bore

Specifications

The 70mm – 1½" (40mm) nominal bore Dry Break Couplings are recommended for a wide range of applications including: petrochemical, pharmaceutical, chemical and solvent applications.

Uses

The 70mm Dry Break coupling is recommended for all types of mini bulk liquid product transfer, including container and drum filling or any application where product contamination and spillage needs to be minimized. Flow rates up to a maximum of **500 L/min.**

105mm Socket Range 2½" or 3" Nominal Bore

Specifications

The 105mm – 2½" (65mm) nominal bore Dry Break Couplings are recommended for a wide range of applications including, petrochemical, pharmaceutical, chemical and solvent applications.

Uses

The 105mm Dry Break coupling is recommended for road tanker bottom loading for a variety of fluids or on any application where product contamination and spillage needs to be minimized. Flow rates up to a maximum of **1500 L/min.**

119mm Socket Range 3" Nominal Bore

Specifications

The 119mm – 3" (80mm) nominal bore Dry Break Couplings are recommended for a wide range of applications including, petrochemical, pharmaceutical, chemical and solvent applications.

Uses

The 119mm Dry Break coupling is recommended for similar applications to the 105mm range, but where higher loading rates are required. Especially in rail tankers, marine tankers and related activities or on any application where product contamination and spillage needs to be minimized. Flow rates up to a maximum of **2000 L/min.**

164mm Socket Range 4" Nominal Bore

Specifications

The 164mm – 4" (100mm) nominal bore Dry Break Couplings are recommended for a wide range of applications including, petrochemical, pharmaceutical, chemical and solvent applications.

Uses

The 164mm – 4" Dry Break coupling is the largest coupling currently in the Fulcrum range. Extensively used for the loading and unloading of bulk petroleum tankers or any application where product contamination and spillage needs to be minimized. Flow rates up to a maximum of **3500 L/min.**

EasyDry Quick Disconnects – Dry Breaks

EasyDry Dry Break Interchangeable Couplings

EasyDry
DDC Series

Size (mm)	Connections (in)	Threads	Working Pressure	Connectable Pressure	Flow Rate (L/min)	Standard Seal
56	¾ and 1	BSP or NPT	10 bar (145 PSI)	4 bar (58 PSI)	200	Viton
70	1½ and 2	BSP/NPT/Flanged	10 bar (145 PSI)	4 bar (58 PSI)	500	Viton
105	2½ and 3	BSP/NPT/Flanged	10 bar (145 PSI)	4 bar (58 PSI)	1500	Viton
119	3	BSP/NPT/Flanged	10 bar (145 PSI)	4 bar (58 PSI)	2000	Viton
164	4	BSP/NPT/Flanged	10 bar (145 PSI)	4 bar (58 PSI)	3000	Viton

Nominal Size mm	ins	ALUMINIUM Code	STAINLESS STEEL Code
Hose Unit Female Thread BSP Coupler. For NPT, Change last letter to code to N, For Flang, chang last leter to ASA or EN as per flange type			
56	1"	DDC100ALV-B	DDC100SSV-B
70	1 ½"	DDC150ALV-B	DDC150SSV-B
70	2"	DDC200ALV-B	DDC200SSV-B
105	2 ½"	DDC250ALV-B	DDC200SSV-B
105	3"	DDC3025ALV-B	DDC3025SSV-B
119	3"	DDC300ALV-B	DDC300SSV-B
164	4"	DDC400ALV-B	DDC400SSV-B
Tank Unit Female Thread BSP Coupler. For NPT, Change last letter to code to N, For Flang, chang last leter to ASA or EN as per flange type			
56	1"	DDA100ALV-B	DDA100SSV-B
70	1 ½"	DDA150ALV-B	DDA150SSV-B
70	2"	DDA200ALV-B	DDA200SSV-B
105	2 ½"	DDA250ALV-B	DDA200SSV-B
105	3"	DDA3025ALV-B	DDA3025SSV-B
119	3"	DDA300ALV-B	DDA300SSV-B
164	4"	DDA400ALV-B	DDA400SSV-B
Flanged Tank Unit ASA150lb Adaptor			
105	2 ½"	DDA250ALV-ASA	DDA250SSV-ASA
119	3"	DDA300AV-ASA	DDA300SSV-ASA

Nominal Size mm	ins	HDPE Code	ALUMINIUM Code
Adaptor Dust Cap			
56	1"	DADP56MM-C-H	DADP56MM-C-A
70	1 ½"	DADP70MM-C-H	DADP70MM-C-A
105	2"	DADP105MM-C-H	DADP105MM-C-A
119	3"	DADP119MM-C-H	DADP119MM-C-A
164	4"	DADP164MM-C-H	DADP164MM-C-A
Coupler Dust Plug			
56	1"	DCDP56MM-C-H	DCDP56MM-C-A
70	1 ½"	DCDP70MM-C-H	DCDP70MM-C-A
105	2"	DCDP105MM-C-H	DCDP105MM-C-A
119	3"	DCDP119MM-C-H	DCDP119MM-C-A
164	4"	DCDP164MM-C-H	DCDP164MM-C-A

EasyDry Quick Disconnects – Dry Breaks

Chemical Reference Chart

Fluid	ALUM	BRASS	S/S	PG	GSK	Fluid	ALUM	BRASS	S/S	PG	GSK	Fluid	ALUM	BRASS	S/S	PG	GSK
Acetic Acid	X	X	X	E		Fatty Acids		X	X	B		Perchloroethylene			X		V
Acetic Anhydride	X	X	X	T		Ferric Chloride			X	B		Phosphoric Acid 50-85%			X	X	V
Acetone	X	X	X	E		Ferric Hydroxide			X	V		Photographic Solutions				X	V
Agricultural Lime			X	X	B	Ferric Nitrate		X	X	B		Phthalic Anhydride	X	X	X	X	T
Alcohol-Amyl		X	X	X	B	Ferric Sulphate		X	X	B		Picric Acid			X	X	V
Alcohol-Butyl	X	X	X	X	B	Formaldehyde 40%	X		X	X	T	Plating Solutions				X	E
Alcohol-Ethyl		X	X	X	B	Formic Acid	X		X	X	T	Potassium Acetate		X	X	X	E
Alcohol-Isopropyl	X	X	X	X	B	Freon	X		X	X	T	Potassium Chloride			X	B	
Alcohol-Methyl		X	X	X	B	Fruit Juices		X	X	B		Potassium Cyanide		X	X	X	B
Aluminium Chloride				X	B	Gasoline Refined	X	X	X	B		Potassium Dichromate	X	X	X	X	B
Aluminium Fluoride 20%	X	X			B	Gasoline Sour	X		X	B		Potassium Hydroxide 30%			X	X	E
Aluminium Nitrate			X	X	B	Gelatin	X		X	X	B	Potassium Nitrate	X	X	X	X	B
Aluminium Pot. Sulphate	X		X	X	B	Glucose	X		X	X	B	Potassium Sulphate	X	X	X	X	B
Aluminium Sulphate			X	X	B	Glue	X	X	X	X	B	Propylene Glycol	X	X		X	B
Ammonia Solutions	X		X	X	N	Glycerin	X	X	X	X	B	Propylene Oxide			X	T	
Ammonium Chloride Dry				X	B	Glycols				X	B	Salt Water		X	X	X	B
Ammonium Hydroxide	X		X	X	E	Green Liquor				X	V	Shellac	X		X	X	B
Ammonium Nitrate	X		X	X	B	Hexane	X	X	X	V		Silicone Oil			X	X	B
Ammonium Phosphate			X	X	B	Hydrobromic Acid				X	V	Silver Nitrate			X	E	
Ammonium Sulphate			X	X	B	Hydrochloric Acid				X	V	Soap Solutions			X	X	B
Aniline	X		X	X	T	Hydrocyanic Acid	X		X	X	E	Soda Ash			X	X	B
Arsenic Acid			X	X	B	Hydrogen Sulphide			X	X	T	Sodium Bicarbonate		X	X	X	B
Asphalt		X	X		V	Hydrogen Peroxide			X	X	V	Sodium Bisulphate			X	X	B
Barium Chloride			X	X	B	Hypochlorous Acid 20%				X	E	Sodium Borate	X	X	X	X	B
Beer	X	X	X	X	B	Isobutyl Acetate	X	X	X	X	T	Sodium Carbonate			X	X	B
Benzene/Benzol	X	X	X		V	Isopropyl Acetate			X	X	T	Sodium Chloride	X	X	X	X	B
Benzine	X	X	X		B	Jet Fuel		X	X	X	V	Sodium Cyanide 10%			X	X	B
Black Liquor				X	E	Kerosene	X	X	X	B		Sodium Dichromate 10%			X	T	
Bleach 12.5% Chlorine				X	E	Lacquers	X	X	X	T		Sodium Hydroxide 40%			X	X	E
Boric Acid	X		X	X	B	Lactic Acid 20-70%			X	X	V	Sodium Hypochlorite			X	E	
Brine			X	X	B	Lard			X	X	B	Sodium Metaphosphate	X	X	X	X	B
Bromic Acid			X	V		Lead Chloride				X	V	Sodium Nitrate	X		X	X	E
Butadiene	X	X	X		V	Lime Slurry			X	X	B	Sodium Peroxide			X	X	E
Butenes	X	X	X		V	Lime Sulphur			X	X	B	Sodium Phosphate	X	X	X	X	B
Butyl Acetate Dry	X	X	X		T	Linseed Oil			X	X	B	Sodium Sulphate	X	X	X	X	B
Cadmium Cyanide				X	B	Magnesium Carbonate	X	X	X	B		Sodium Sulphide			X	X	B
Calcium Acetate		X	X	X	E	Magnesium Chloride		X	X	X	B	Sodium Thiosulphate			X	X	B
Calcium Bisulphite			X	X	T	Magnesium Hydroxide	X	X	X	E		Soya Bean Oil			X	X	B
Calcium Chloride				X	B	Magnesium Nitrate	X		X	X	B	Stannic Chloride			X	B	
Calcium Hydroxide		X	X	X	B	Magnesium Sulphate	X		X	X	B	Stannous Chloride 15%			X	X	B
Calcium Nitrate 40%	X		X	X	B	Mercuric Chloride				X	B	Stearic Acid			X	X	T
Carbolic Acid (Phenol)			X		V	Methanol	X	X	X	X	B	Stoddard Solvent	X	X	X	X	B
Carbon Disulphide	X	X	X		V	Methyl Acetate				X	T	Styrene	X		X	T	
Carbon Tetrachloride			X		V	Methylene Chloride			X		T	Sugar Cane Liquor	X	X	X	X	B
Carbonated Beverages	X		X	X	N	Methyl Benzene	X	X	X		V	Sulphate Liquors			X	X	B
Carbonic Acid	X		X	X	B	Methyl Ethyl Ketone	X	X	X	X	E	Sulphite Liquors			X	X	V
Castor Oil			X	X	B	Milk	X		X	X	B	Sulphuric Acid			X	X	T
Caustic Potash				X	E	Mineral Oil	X	X	X	X	B	Sulphurous Acid			X	X	T
Caustic Soda				X	E	Molasses	X	X	X	X	V	Tannic Acid 10%			X	X	B
Chloromethane		X			V	Muriatic Acid				X	V	Tartaric Acid			X	X	B
Chromic Acid		X	X	T		Naptha	X	X	X	V		Toluene	X	X	X	T	
Citric Acid		X	X	B		Naphthalene	X	X	X	V		Tetrachloroethylene			X	V	
Copper Chloride			X	B		Naphthene Acid		X	X	V		Trichloroethylene	X	X		V	
Copper Sulphate		X	X	B		Nikel Chloride			X	X	B	Triethanolamine	X		X	X	T
Corn Oil		X	X	B		Nikel Sulphate			X	X	B	Trisodium Phosphate			X	X	B
Cottonseed Oil		X	X	B		Nitric Acid				X	T	Urea	X		X	X	T
Creosote	X	X	X		V	Nitrobenzine	X		X		E	Urine			X	B	
Cyclohexane	X	X	X		V	Octane	X	X	X	V		Varnish	X		X	B	
Detergents			X	X	B	Oil - Fuel	X	X	X	B		Vinegar			X	X	T
Developer Solution				X	B	Oil - Hydraulic	X	X	X	X	B	Water - Mine Acid	X		X	X	B
Dextrose	X		X	X	B	Oil - Petroleum Refined	X	X	X		B	Water - Deionised			X	B	
Diesel Fuels	X	X	X	X	B	Oil - Petroleum Unrefined			X		B	Water - Demineralised			X	B	
Diethylene Glycol	X	X	X	X	B	Oil - Gear		X	X	X	V	Water - Distilled	X		X	X	B
Disodium Phosphate				X	B	Oil - Vegetable			X	X	V	Water - Fresh	X	X	X	B	
Ethanolamine	X		X	X	N	Oleic Acid	X		X	X	T	Water - Salt	X	X	X	B	
Ether	X	X	X		T	Oleum			X		T	White Liquor			X	X	E
Ethyl Acetate			X	X	T	Oxalic Acid	X			X	V	Wine			X	X	B
Ethylene Dichloride		X	X		T	Palmitic Acid			X	X	B	Xylene	X	X	X	V	
Ethylene Glycol	X	X	X	X	B	Paraffin	X	X	X	X	B	Zinc Chloride			X	B	
												Zinc Nitrate Sulphate	X		X	X	V

Key to Column Headings

Brass = Brass/Gun Metal Alum = Aluminium S/S = Stainless Steel
PG = Polypropylene Gsk = Gasket/Seal

Key to Gasket/Seal Codes

B = Buna E = EPDM N = Neoprene T = Teflon V = Viton

Disclaimer

This is to be used as a guide only and it is the responsibility of the user to ensure the compatibility of the coupling's body and the gasket material suggested in this guide with the application. Please note that due to possible variations in temperature, pressure, concentration and the operating conditions, the user must make sure the product(s) he has chosen will work under the specific application even after initial installation.

Dry Disconnect Couplings

Product Range

EasyDry

TP Lok Series



All descriptive matter, illustrations, dimensions and weights issued in this brochure are for guidance only and cannot be held as binding in any way. We reserve the right to change specifications and other information included in this brochure without any prior notice. We recommend that you contact us to be sure that the information you have is current. All information given in this brochure has been carefully compiled and thoroughly checked. However, no responsibility for possible errors or omissions can be assumed.

EasyDry Quick Disconnects – Dry Breaks

Deciding Which Coupling to Use

What is Important?

Dry disconnect couplings are designed to prevent the loss of product when disconnecting hose lines and protecting the operator and the environment. Consideration of the following points will assist in making the best choice of couplings for your application:

Valve Type

Poppet, ball or butterfly. This is often a matter of personal preference but will also affect the performance of the coupling in terms of flow rate and spillage.

Acceptable Level of Spillage

Prevention of spillage on disconnection is the main reason for using dry disconnect couplings, but the acceptable level will vary greatly according to the application and environment. The couplings in this brochure offer a choice according to how critical this factor is.

Pressure Drop

Flow rate will vary greatly from one coupling type to another.

Interchangeability

Are there already couplings in use with which the couplings must interchange? Conversely, it may be important that the new couplings will not mate with existing fittings on site.

Method of Operation/Ease of Use

The position of connection or the familiarity of the operative with the design may make one type of coupling more suitable on a particular site.

Weight and Size

Weight will be important to the operator when moving the hose according to the frequency of connection, while size may be critical e.g. when the coupling must fit within the envelope of an IBC (intermediate bulk container).

Temperature/Pressure/Media/Nominal Bore

The chosen coupling must be available in the required size and pressure rating with materials compatible with the media, temperature and environment.

Safety for the Operative and the Environment

Apart from the level of spillage, prevention of accidental disconnection should be considered. This can be achieved with a mechanical interlock so that disconnection is only possible when the valve is closed.

Avoidance of Cross Contamination

Accidental connection of the wrong hose line can have serious consequences. Mechanical "keying" of the coupling – or the fitting of sensors – is an option in order to prevent this.

Potential for Abuse

Some couplings are more robust than others. For instance, Polypropylene is light and gives excellent resistance to aggressive chemicals but it may not be suitable in applications where the hose line is frequently thrown about.

Maintenance

Unfortunately, mechanical seals and other components do not last forever. On some couplings, the main seals can be changed in situ by experienced personnel, whereas other couplings may need to be returned to the workshop for repair with consequent downtime.

Cost

Oh yes, the cost! Apart from the cost of different materials, generally the coupling cost will be inversely proportional to the amount of spillage on disconnection. Put simply, the more critical the application is in terms of loss of product and protection of the operator and the environment, the more expensive the coupling!

This list is not exhaustive – experience has shown that every new application brings different factors to bear in the best choice of dry disconnect couplings. We would be happy to discuss your specific requirements with you in order to provide further appropriate details and guidance with your selection.



EasyDry Quick Disconnects – Dry Breaks

Know Your Application

Copy this page and use it as a checklist

At any stage of this process please call us for any help or further information.

To make the best choice of coupling, you need to know your application by way of the following four primary areas:

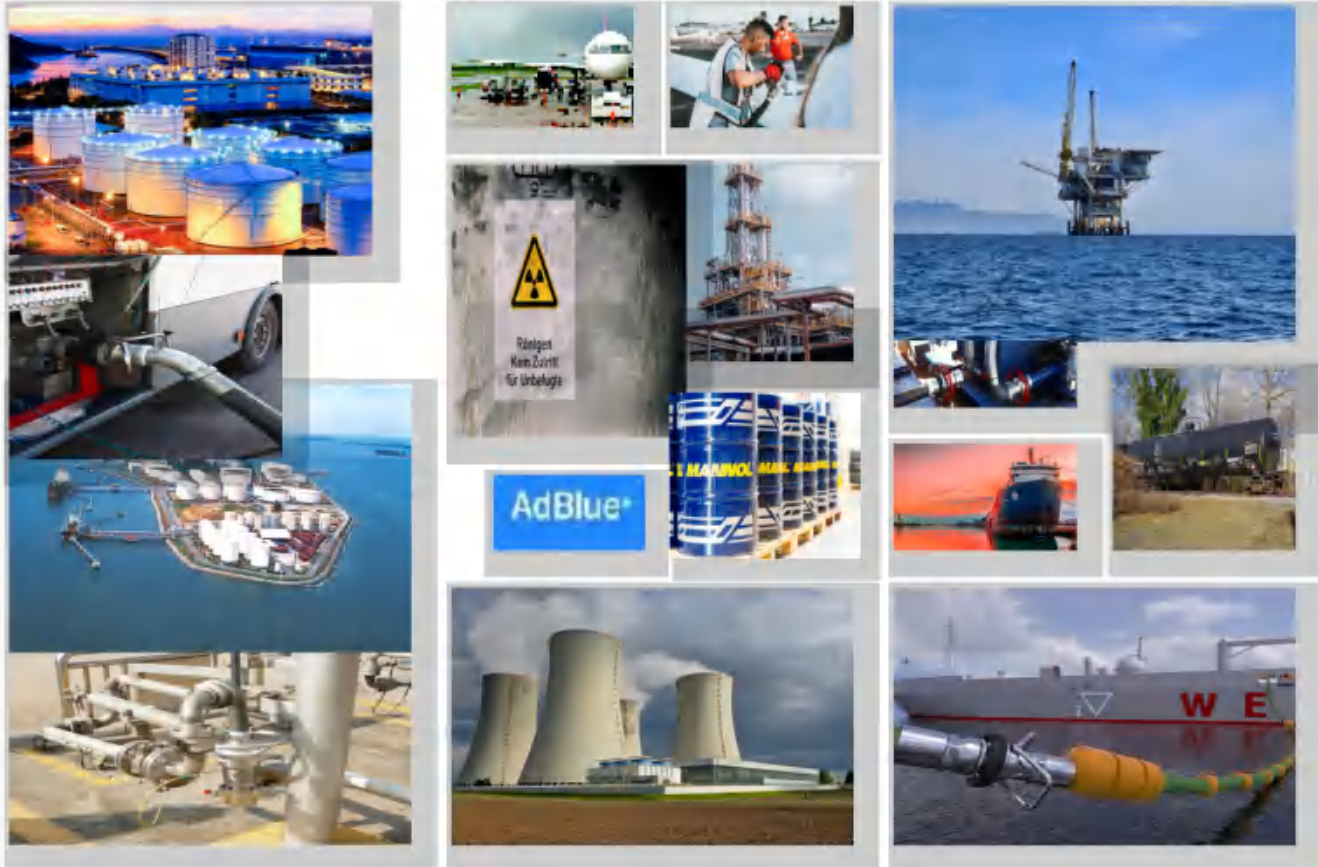
- The media (and any different states it may have when flowing through the coupling)
- Size requirements (relating to nominal bore sizes of related pipe systems or the surroundings)
- Operating conditions (for the coupling and its environment)
- Coupling functionality (by way of type of valving, allowable spillage, interchangeability or other needs)

The following table expands on these four categories and can work as a checklist to enable you to make the correct choice.

What You Need to Know	This Will Help You Decide	Your Notes
Media		
Identify what will flow through the coupling set and associated piping. Determine for any state it may be in what compatibility requirements exist for the coupling body, seals and any other 'wetted' surfaces.	The material of manufacture for the coupling body, seals etc.	
Size		
Determine what nominal pipe size your coupling will be connected to. Do any overall physical size constraints exist for operation or maintenance?	The coupling nominal bore & end fitting size.	
Operating Conditions		
Temperature range of media Maximum working pressure requirements Flow rate required Maximum allowable pressure drop Acceptable spillage (usually measured in cc's) Any other special requirements, (e.g. vibration, prevention of cross connection, corrosive atmosphere).	In conjunction with the media and size information above, this information will focus more towards the coupling body and seal material compatibility.	
Functionality		
How do you need the coupling to seal when it is disconnected? Choose the option for single or double shut-off to suit the amount of acceptable spillage. Also remember to consider any interchangeability with any existing fitting.	The valving design you need.	

EasyDry Quick Disconnects – Dry Breaks

Applications



Industrial Applications

- Bulk powder transfer (fine non-abrasive only)
- Nuclear coolant
- Aviation bunkering
- Brewery finished products ¹
- Food feedstock
- Pharmaceutical feedstock
- Hazardous waste transfer IBC container outlets
- AdBlue®-DEF

Oil & Chemical Applications

- Tanker top/bottom loading
- Bunkering
- Rail car outlets
- Rail shore side loading
- Paints & Inks
- Product processing transfer
- Rail locomotive fuelling
- Chemical transfer
- Petroleum transfer
- Bulk loading/discharge
- Loading arms
- Exchange manifolds
- Blending pits

Marine Applications

- Ship to shore transfer
- Ship to ship transfer
- Ship to rig transfer
- Wellhead material supply
- Temporary vent lines
- Ship manifold exchange
- Marine refuelling

EasyDry Quick Disconnects – Dry Breaks

EASYDRY-Dry Disconnect Coupler



Coupler



Adaptor



Dry coupler can be drained to minimize thermal expansion
Male and Female cannot be disconnected under pressure
All internal parts are Stainless Steel
Minimal spillage
Working Pressure
10 bar (147 PSI) .

Materials
Aluminium, Stainless Steel

Sizes
1 ½", 2" and 3".

Threads
BSP and NPT.

Seals

Buna, Viton, EPDM, Teflon, Chemraz and Kalrez.

Features

Higher pressure rating than competition
Interchangeable with competition
Padlock feature
Locking handle

Applications

Chemical transfer, blending operations, fuel and oil, tanker loading/unloading and general industrial.

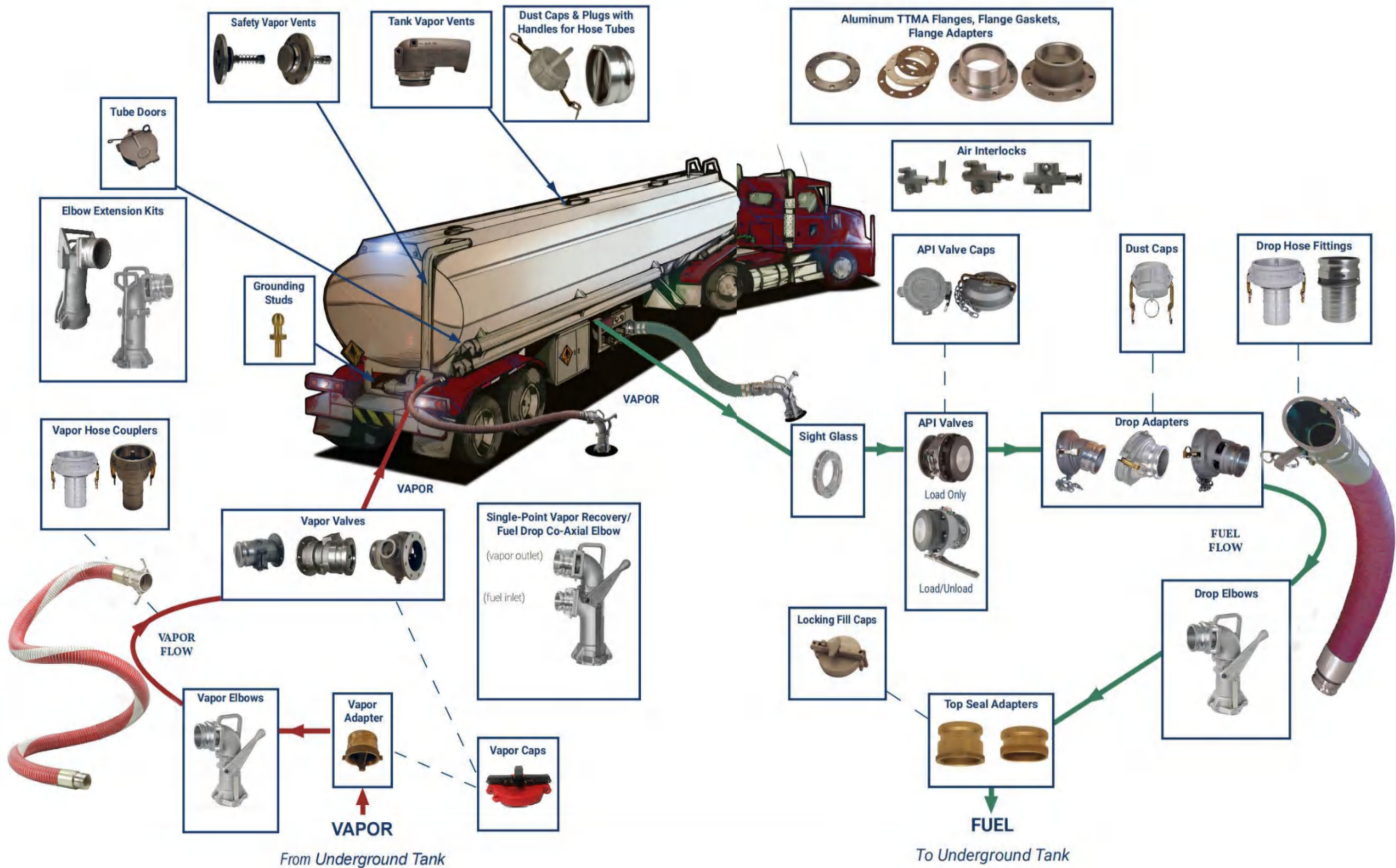
Nominal Size Ins	STAINLESS STEEL				ALUMINIUM			
	BUNA Code	EPDM Code	VITON Code	TEFLON Code	BUNA Code	EPDM Code	VITON Code	TEFLON Code
Adaptor x Female BSP								
1 ½"	DBA150SS-B	DBA150SS-E	DBA150SS-V	DBA150SS-T	DBA150AL-B	DBA150AL-E	DBA150AL-V	DBA150AL-T
2"	DBA200SS-B	DBA200SS-E	DBA200SS-V	DBA200SS-T	DBA200AL-B	DBA200AL-E	DBA200AL-V	DBA200AL-T
3"	DBA300SS-B	DBA300SS-E	DBA300SS-V	DBA300SS-T	DBA300AL-B	DBA300AL-E	DBA300AL-V	DBA300AL-T
Coupler x Female BSP								
1 ½"	DBC150SS-B	DBC150SS-E	DBC150SS-V	DBC150SS-T	DBC150AL-B	DBC150AL-E	DBC150AL-V	DBC150AL-T
2"	DBC200SS-B	DBC200SS-E	DBC200SS-V	DBC200SS-T	DBC200AL-B	DBC200AL-E	DBC200AL-V	DBC200AL-T
3"	DBC300SS-B	DBC300SS-E	DBC300SS-V	DBC300SS-T	DBC300AL-B	DBC300AL-E	DBC300AL-V	DBC300AL-T

The above has a BSP thread as standard. For NPT, add the postfix -NPT.

A photograph of a large silver oil tanker truck is positioned in the top right corner of the slide. The truck is angled towards the right, and its rear lights are illuminated. The image is partially covered by a large orange triangle that points towards the bottom left.

C2C TECHNOLOGY

Oil Transfer System





CONTENTS

API Bottom Loading Coupler03

Breakaway Coupling08

EasyDry Dry-disconnect Coupler.....11

Easydry Dry-disconnect Coupler12

Dry Disconnect Adapter-Flange15

Series of API GRAVITY DROP 19

Vapor Recovery 21

Series of Elbow 22

Composite Hose Fitting 28

Series of Vapor Valve 32

Oil Vapor Recovery 33

Series of Bottom Loading Coupler 34

Bottom Valve 36

Tank Car Unloading Assembly 37



4"semi-auto



4"manulal

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.
Features	1. Modular design, allows various face seal combinations to be compatible with different alternative fuel/ performance levels and applications. 2. No special tools need for maintenance, very easy. 3. Shaft seals can be changed without removing coupler from loading arm. 4. Locking 5 cam design for easy alignment and tight connection and safety interlock to help ensure coupler properly attached before valve opens. 5. Ball-end handle for easy, comfortable operation. 6. Bonded nose seal offers a long life and cannot be washed out.
Construction	1. A356 T6 aluminum anodized hard coat body with aluminum handle and stainless steel hardware. 2. Viton seals. 3. Hardened 17-4PH stainless steel link, shaft, pin and crank. 4. Stainless steel cam.
Specifications	1. Working pressure: 10bar(150psi). 2. Temperature Range: -20°F to 250°F (-29°C to 121°C). 3. Made according to the API RP 1004(2003).

SIZE	Part NO.	Weight(kg)	FOB Price(US \$)
4"manulal	BLC-400M-AL	9.83	
4"semi-auto	BLC-400A-AL	8.91	

API Bottom Loading Coupler Instructions

1. The flange interface of the API bottom loading coupler is connected to the flange interface of the bottom loading arms and bolted.
2. Before installation, you must ensure that the flange interfaces of the two are level to avoid the difficulty of equipment operation.
3. Operation of connecting tank trucks:
 - ① Need to use the operation handle of bottom loading arm and the operation handle of API bottom loading coupler (female) moving the API coupler (female) on the end of the bottom loading arm.
 - ② Connecting it to the coupler (male) on the tanker.
 - ③ After connecting (Semi-automatic API automatically lock coupler (male), Manual models need to push the manual locking sleeve to lock the coupler (male)), rotate 180 degrees in the (open) direction on the API bottom loading operating handle to open poppet, and, the sealing poppet of the coupler on the tanker is driven, making the couplers at both ends open at the same time.
 - ④ So, the quick dry connection device is in a fully open working state, which can perform bottom loading action of the liquid medium.
4. Device separation operation
 - ① When the loading and unloading operation is completed, move the handle in the closing direction indicated by the arrow on the API bottom loading coupler (female) handle, drive the spindle to rotate 180 degrees to close the poppet, it will also close coupler (male) on the tanker. Therefore the coupler at both ends is off (The semi-automatic API coupler presses the latch release handle to quickly separate the couplers at both ends. Manual models push the manual locking sleeve to separate the coupler).
 - ② So, the quick dry connection device is in a completely closed non-working state. Then, put the API bottom loading coupler (female) back to the original position, and put the dust cup cover on the coupler (male).

Note:

1. The above operation should be gentle to avoid collision.
2. If the API Bottom loading coupler is not fully docked, Please don't use the brute force rotation the operation handle to avoid damage to the accessories.

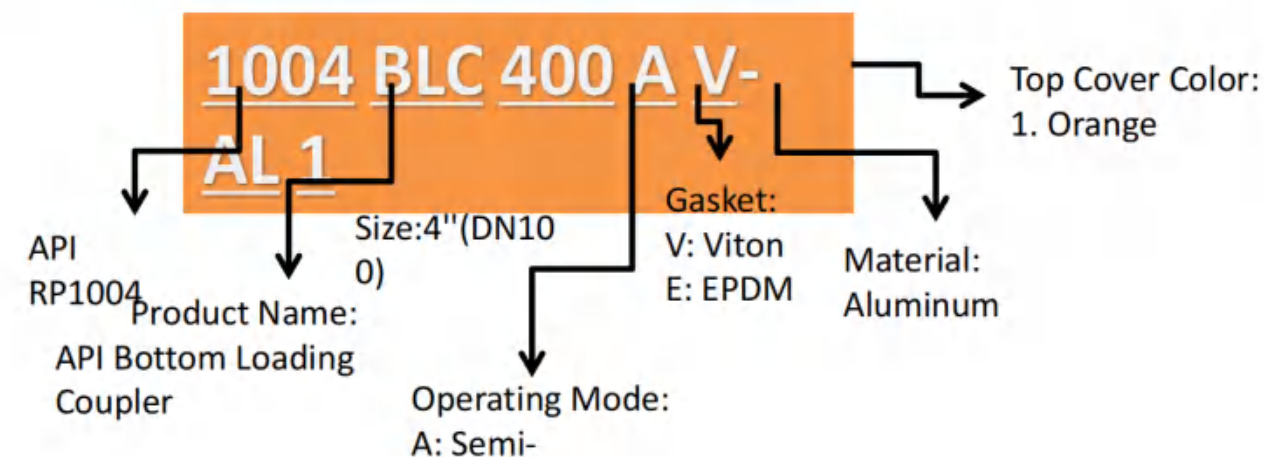
API Bottom Loading Couplers, 4" semi-auto



Installation, Operating

1.Installation of warning	API Bottom Loading Couplers, 4" semi-auto
2.Installation preparation	
3.Product size for installation	
4.Install on the loading arm	
5.Installation operation indication diagram	Installation, operation and maintenance instructions
6.Operation cautions	
7.API coupler structure drawing and accessories description	

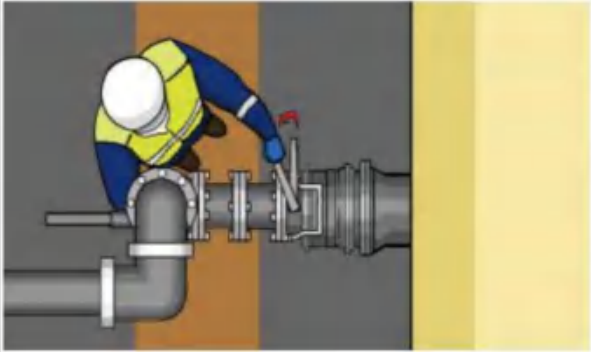
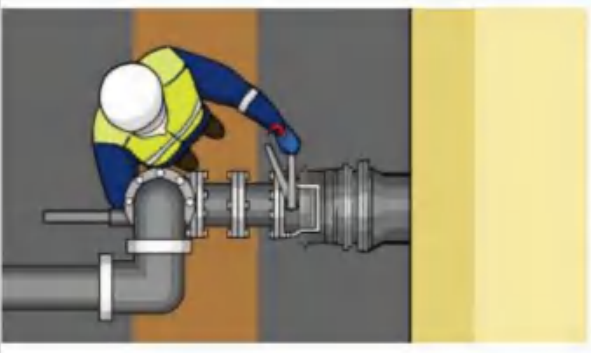
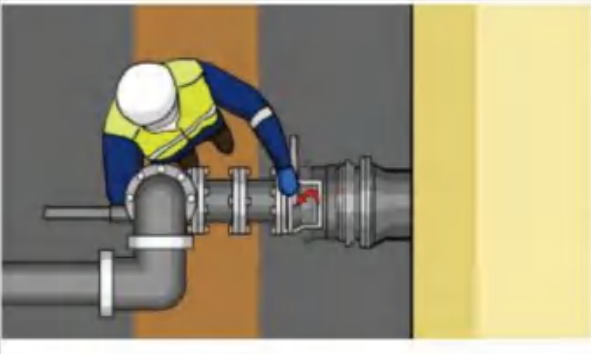
Part Number Description



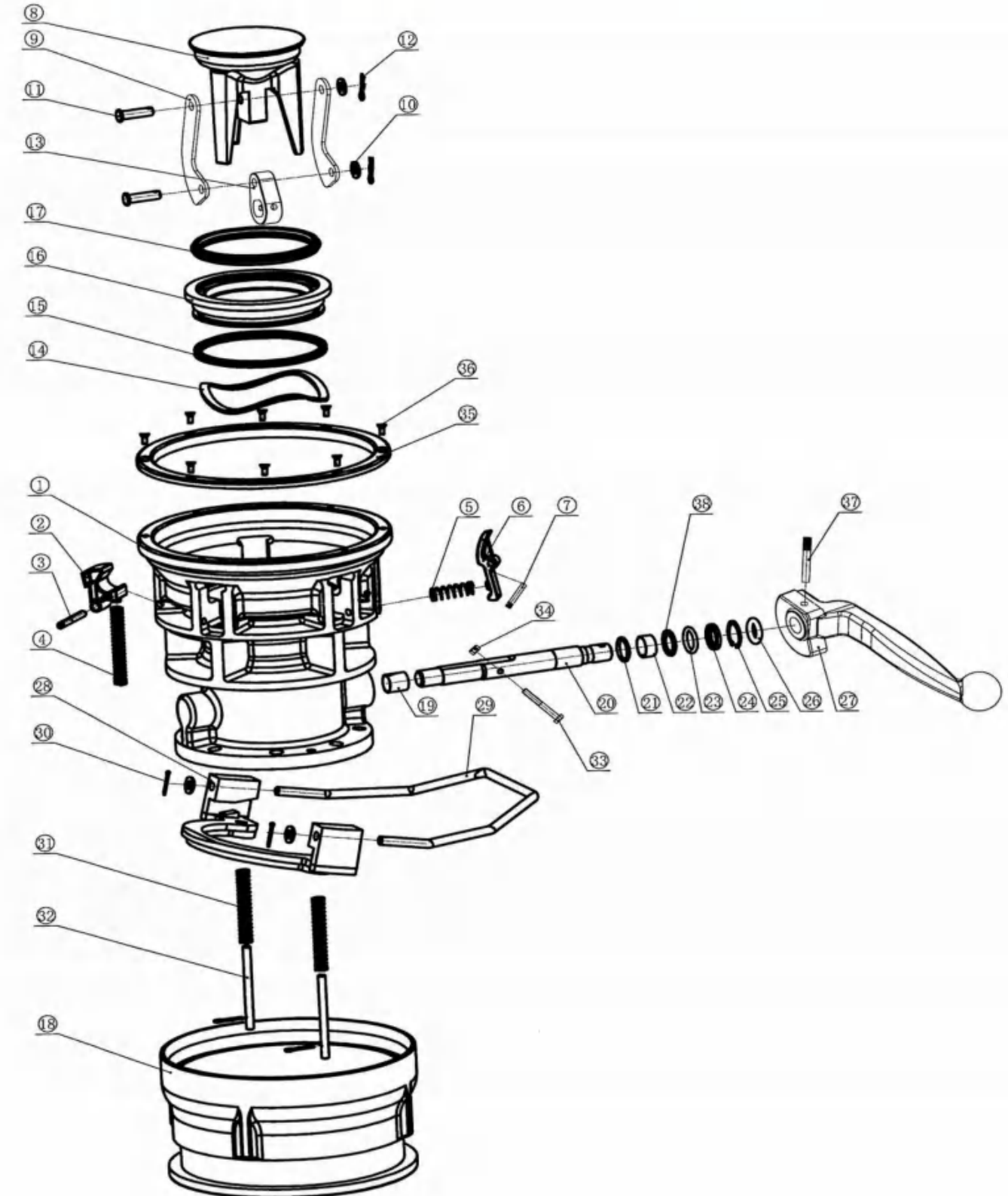
EasyDry API Coupler is designed to solve the connection solution of bottom charging loading arm.

- ◆ TTMA inlet flange, export conforms to the American petroleum institute API RP1004, EN13083, to reach the standard of each brand interface matching each other.
- ◆ The testing of open and close reach for 250,000 times
- ◆ Authentication: TUV Explosion-proof Certification, certification of directive 2014/34 / EU
- ◆ Unique conical mouth design ensures that in the process of loading, easy alignment, close connection and the lateral force resistance, reduce fluid loss when disconnected
- ◆ Unique design of claw and fitted with double seal to ensure the safety
- ◆ Double seal is fitted at the handle connection to prevent dust from entering the valve body, to ensure the durability of the product
- ◆ The seals are made of fluorinated rubber, which has higher wear resistance and corrosion resistance and longer service life.
- ◆ All aluminum parts have been hard anodization, other parts are made of stainless steel material
- ◆ Quickly lock, easy operation

5. Installation operation indication diagram

	(1) API Coupler Connection Diagram The position of the operator is shown in the figure. The CENTER of API dry valve is aligned with the connection of the slot car. Hold the position of compound hose with one hand, control the direction with the handle of crane tube with the other hand, maintain the vertical stress, push the semi-automatic dry valve forward, and prompt the connection is finished after hearing the sound of "clang".
	(2) Open the coupler When the API coupler is connected. Open the coupler handle. When opening the handle of the coupler, it is required to open 30° first. Then fully opened to parallel with the coupler body after the medium flows for 15 seconds. It can extend the service life of the coupler.
	(3) Close the coupler When unloading is complete, close the handle and make it 90° with the coupler body
	(4) Separate the API coupler Grasp the separation handle with your hand and pull outwards.

API coupler structure drawing and accessories description



API coupler structure drawing and accessories description

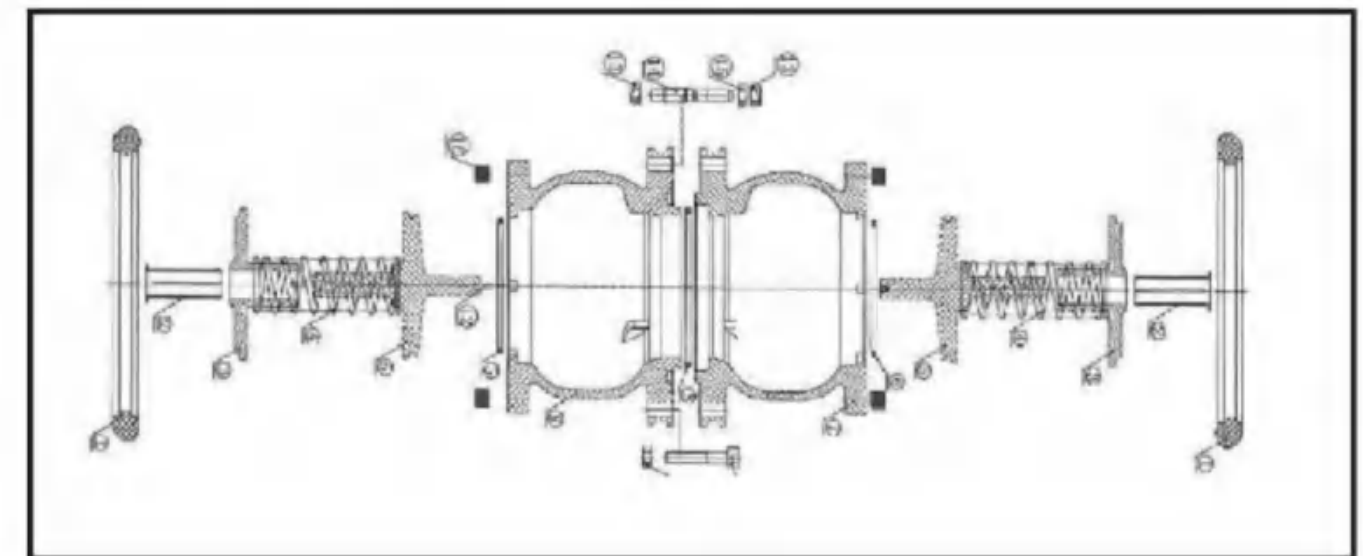
NO.	Part Name	QTY	Material
1	Body	1	A356 T6
2	Cam	5	SS316
3	Spirol Pin	5	SS304
4	Cam spring	5	SS304
5	Interlock Spring	1	SS304
6	Interlock	1	SS316
7	Knurling Pin	1	SS304
8	Poppet	1	A356 T6
9	High Pressure Link	2	17-4 PH
10	Flat washer	4	SS304
11	Clevis pin	2	SS304
12	Safety pin	4	SS304
13	Drive Link	1	SS316
14	Wave washer	1	17-7 PH
15	Nose seal	1	Viton
16	Cylinder	1	6061T6
17	Cylinder seal	1	Viton
18	Locking sleeve	1	A356 T6
19	Shaft end bearing	1	PTFE
20	Shaft	1	17-4 PH
21	O ring	1	Viton
22	Shaft head bearing	1	PTFE
23	O ring	1	Viton
24	Shaft washer	1	PTFE
25	Ring	1	65Mn
26	O ring	1	Viton
27	Operating Handle	1	A356 T6
28	Locking hold ring	1	A356 T6
29	Retreating wrench	1	SS304
30	Split pin	2	SS304
31	Retreating wrench spring	2	SS304
32	Retreating wrench spring mandrel	2	SS304
33	Hexagon Bolt Grade C	1	SS304
34	Type 1 all-metal hexagon lock nut	1	SS304
35	Head face protect jacket	1	6061
36	Socket head cap screw M4	8	SS304
37	Roller pin	1	SS304

Remarks: No.14,15,17,21,23 easily worn.



SIZE	Part NO.	FOB Price(US \$)
4"	BWM00-AL	

Applications	1 .Coupling is desianed to minimize spillage and damage associated with pull away incidents.
Construction	1 .Aluminium body 2.Viton or NBR seals
Specifications	1. Maximum operating pressure: 15bar 2. Made according to the API RP 1004(2003) 3. Available size: 4"



Features

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

Double Flange Coupling



Application	1 .Connecting with oil vapor recovery part and bending flange couplings. 2.Material: Aluminum
Construction	1. 4"ANSI Flange with 4"ANSI Flange.

Aluminium Dry Disconnect Coupler



SIZE	Coupler ID Size	Part Number	FOB Price(US \$)
2"	70mm	DDC200-AL	
3"	119mm	DDC300-AL	
4"	164mm	DDC400-AL	

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 lockina 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

1. Corrosion resistance
2. High strength
3. Sturdiness

Specifications

1. Working pressure: 20bar
2. Made according to NATO standard S7ANAG 3756
3. Optional seals: EPDM, NBR, VITON
4. Available size: 2" 3" 4"

Aluminium Dry Disconnect Adapter



SIZE	Adapter OD Size	Part Number	FOB Price(US \$)
2"	70mm	DDA200-AL	
3"	119mm	DDA300-AL	
4"	164mm	DDA400-AL	

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 lockina 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

1. Corrosion resistance
2. High strength
3. Sturdiness

Specifications

1. Working pressure: 20bar
2. Made according to NATO standard S7ANAG 3756
3. Optional seals: EPDM, NBR, VITON
4. Available size: 2" 3" 4"

SS316 Dry Disconnect Coupler



Dry disconnect Fitting 1"



Dry disconnect Fitting 2"



Dry disconnect Fitting 3"



Dry disconnect Fitting 4"

SIZE	Coupler ID Size	Part Number	FOB Price(US \$)
1"	56mm	DDC100-SS	
2"	70mm	DDC200-SS	
3"	119mm	DDC300-SS	
4"	164mm	DDC400-SS	

Dry Disconnect Adapter



Adapter X Female NPT 1"



Adapter X Female NPT 2"



Adapter X Female NPT 4"

SIZE	Adapter OD Size	Part Number	FOB Price(US \$)
1"	56mm	DDA100-SS	
2"	70mm	DDA200-SS	
3"	119mm	DDA300-SS	
4"	164mm	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 lockina 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

1. Corrosion resistance
2. High strength
3. Sturdiness

Specifications

1. Working pressure: 20bar
2. Made according to NATO standard S7ANAG 3756
3. Optional seals: EPDM, NBR, VITON
4. Available size: 1" 2" 3" 4"

Dry Disconnect Adapter-Flange



Class150 Standard			
SIZE	Adapter OD Size	Part Number	FOB Price(US \$)
1"	56mm	DDA100-SS	
2"	70mm	DDA200-SS	
3"	119mm	DDA300-SS	
4"	164mm	DDA400-SS	
EN1092 Standard			
SIZE	Adapter OD Size	Part Number	FOB Price(US \$)
1"	56mm	DDA100-SSEN	
2"	70mm	DDA200-SSEN	
3"	119mm	DDA300-SSEN	
4"	164mm	DDA400-SSEN	



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 lockina 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

1. Corrosion resistance
2. High strength
3. Sturdiness

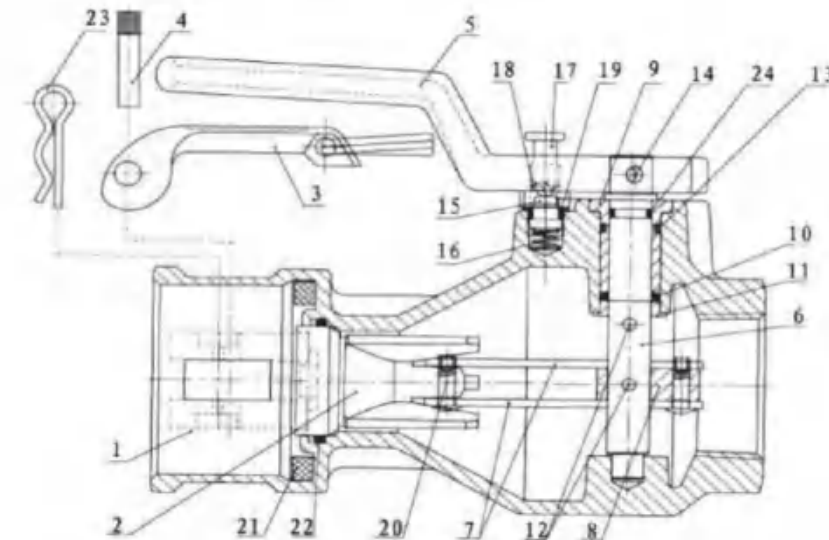
Specifications

1. Working pressure: 20bar
2. Made according to NATO standard S7ANAG 3756
3. Optional seals: EPDM, NBR, VITON
4. Available size: 2" 3" 4"

Camlock Dry Disconnect Coupler



Coupler X Female NPT		
Size	Aluminum/BUNA	FOB Price (US \$)
1-1/2"	761D-150	
2"	761D-200	
3"	761D-300	
Size	Stainless steel/leflon	
1-1/2"	773D-150	
2"	773D-200	
3"	773D-300	



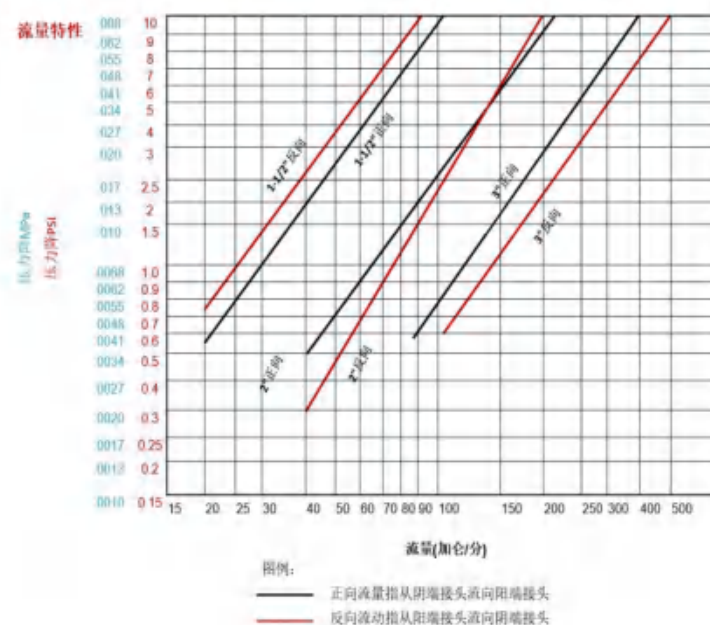
NO.	Description	Qty	Material	NO.	Description	Qty	Material
1	Body	1	NBR	13	O-ring	1	NBR
2	Poppet	1	SS304	14	Pin	1	SS304
3	Cam Arm	2	NBR	15	Stub	1	SS304
4	Cam Pin	2	NBR	16	Spring	1	Spring Steel
5	Handle	1	SS304	17	Button	1	SS304
6	Shaft	1	SS304	18	C-Ring	1	65Mn
7	Link	2	65Mn	19	Hex Nut	2	SS304
8	Cam	1	SS304	20	Rivet	2	
9	Bushing	1	Spring Steel	21	Gasket	1	NBR
10	O-ring	1	SS304	22	O-ring	1	NBR
11	Retainer	1	SS304	23	Safety Pin	2	SS304
12	Roll Pin	2	NBR	24	O-ring	1	NBR



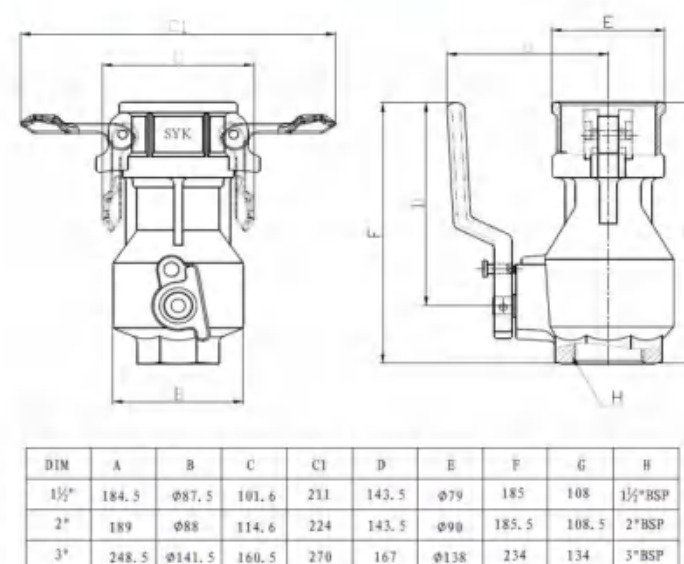
Coupler X Female NPT		
Size	SS /BUNA	FOB Price (US \$)
1-1/2"	761D-150-SS	
2"	761D-200-SS	
3"	761D-300-SS	
Size	Stainless steel/leflon	
1-1/2"	773D-150-SS	
2"	773D-200-SS	
3"	773D-300-SS	



Flow characteristic



Outline dimension drawing



Q: What's the point of Dry-Disconnect adapter?

A: In the past, the open quick connector met the rapid connection demand of the chemical industry, but the on-site waste, pollution and other problems were not followed up to solve.



The usual open quick connector
 A large amount of liquid is released when the joint is released.



Open quick joint with ball valve
 There will still be when the joint and ball valve come off
 More fluid leaks out.



Kai arm - dry quick connection
 After disconnecting, it can almost completely eliminate the pipe line
 Possibility of spillover of residual liquid.





Construction	1. Body: Aluminum body 2. Handle: Brass handles/stainless steel handles
Features	1. Feature of Gravity Drop Adaptor and Coupler 2. Attach directly against openable API's 3. Allow drop hose with standard camlock coupling to clamp on and transfer petroleum from API Valve 4. Heat treated aluminum alloy

Part No.	Description	FOB Price (US \$)
1004GA-300	4"Coupler x 3"adaptor	
1004GA-400	4"Coupler x 4"adaptor	
1004GA-300H	4"Coupler x 3"adaptor Heavy duty	
1004GA-400H	4"Coupler x 4"adaptor Heavy duty	
1004GA-300M	4"Coupler x 3"Male NPT	
1004GA-400M	4"Coupler x 4"Male NPT	
1004GA-300MB	4"Coupler x 3"Male BSP	
1004GA-400MB	4"Coupler x 4"Male BSP	
1004GA-300S	4"Coupler x 3"adaptor with sight	
1004GA-400S	4"Coupler x 4"adaptor with sight	
1004GA-300V	4"Coupler x 3"adaptor with valve	
1004GA-400V	4"Coupler x 4"adaptor with valve	
1004GA-400C	4"Coupler x 4" Coupler	

Series of API GRAVITY DROP(Adapter)



Construction

1. Body: Aluminum body
2. Handle: Brass handles/stainless steel handles

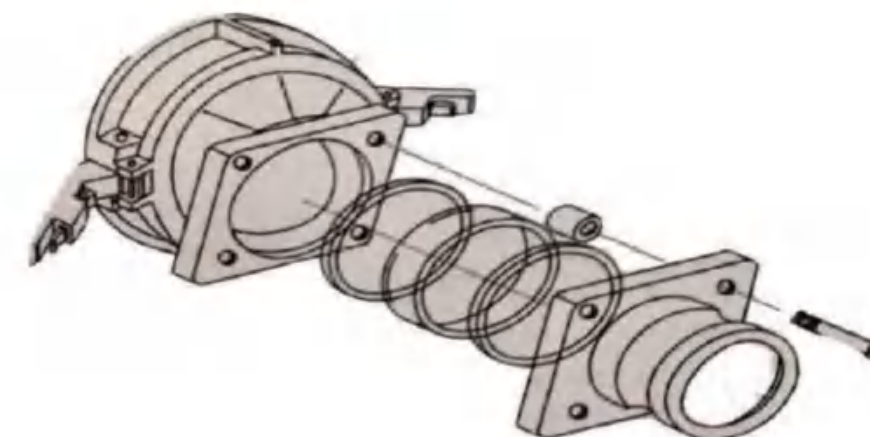
Features

1. Attach directly against openable API's.
2. Allows drop hose with standard Seal Fast cam and groove couplings to clamp on and transfer petroleum from the API valve.
3. Meets API RP-1004 specification for petroleum form API Valve
4. Heat treated aluminum alloy
5. With stainless steel handles or brass handles.

Size	Part No.	FOB Price (US \$)
4"x 3"	1004GB-300	
4"x 4"	1004GB-400	



Part No.	Description	FOB Price (US \$)
1004GF-300AS	3"Male Adapter Straight	
1004GF-301AS	3"Male Adapter Off-set	
1004GF-400AS	4"Male Adapter Straight	
1004GF-300BLS	3"Female W/Sight Glass	
1004GF-400BLS	4"Female W/Sight Glass	
1004GF-300ASB	3"Male W/Sight Glass	
1004GF-400ASB	4"Male W/Sight Glass	
1004GF-300A	3"Male Adapter W/Out Sight Glass	
1004GF-400A	4"Male Adapter W/Out Sight Glass	
1004GF-300BL	3"Female W/Out Sight Glass	
1004GF-400BL	4"Female W/Out Sight Glass	



Construction

1. Body: Aluminum body
2. Handle: Aluminum
3. Inlet and outlet connection :Aluminum
4. Hardware: Stainless steel
5. Gasket connect NBR
6. Flat/Waved washer: Stainless steel
7. Sight Glass: PMMA

Specifications

1. Heavy duty aluminum alloy construction
2. Center of gravity at handle, easy to operate
3. Push to couple, pull to release
4. Five degree angled four bolt flange pattern with variety of different inlets to meet any requirement
5. Unique locking action that insure positive connection and uniform seal compression at full adapter
6. 360 degree round sight glass window on top



Part No.	Size	FOB Price (US \$)
DVR300AL	3"	
DVR400AL	4"	
DVR4030AL	4"x3"	



Part No.	Size	FOB Price (US \$)
CVR300AL	3"	
CVR400AL	4"	
CVR4030AL	4"x3"	

Curved Coupler

90°Coupling DxA



Size	Part No.
2"	90DA200-AL
3"	90DA300-AL
4"	90DA400-AL
5"	90DA500-AL
6"	90DA600-AL

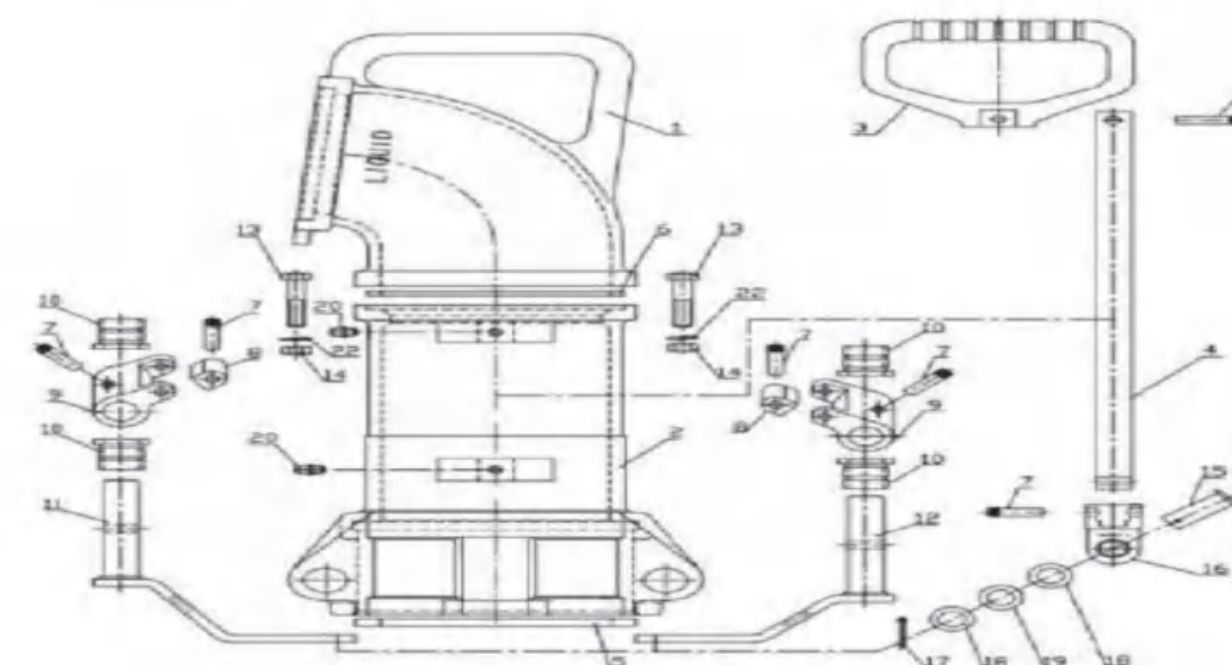
45°Coupling DxA



Size	Part No.
2"	45DA200-AL
3"	45DA300-AL
4"	45DA400-AL
5"	45DA500-AL
6"	45DA600-AL



Part No.	Description	FOB Price (US \$)
918B	Body Only	
918-300AS	Inlet AF300 W/Sight Glass	
918-400AS	Inlet AF400 W/Sight Glass	
918-300BS	Inlet BF300 W/Sight Glass	
918-400BS	Inlet BF400 W/Sight Glass	
918-300MS	Inlet MTF300 W/Sight Glass	
918-400MS	Inlet MTF400 W/Sight Glass	
918-300FS	Inlet FTF300 W/Sight Glass	
918-400FS	Inlet FTF400 W/Sight Glass	
918-300A	Inlet AF300 W/O Sight Glass	
918-400A	Inlet AF400 W/O Sight Glass	



Construction

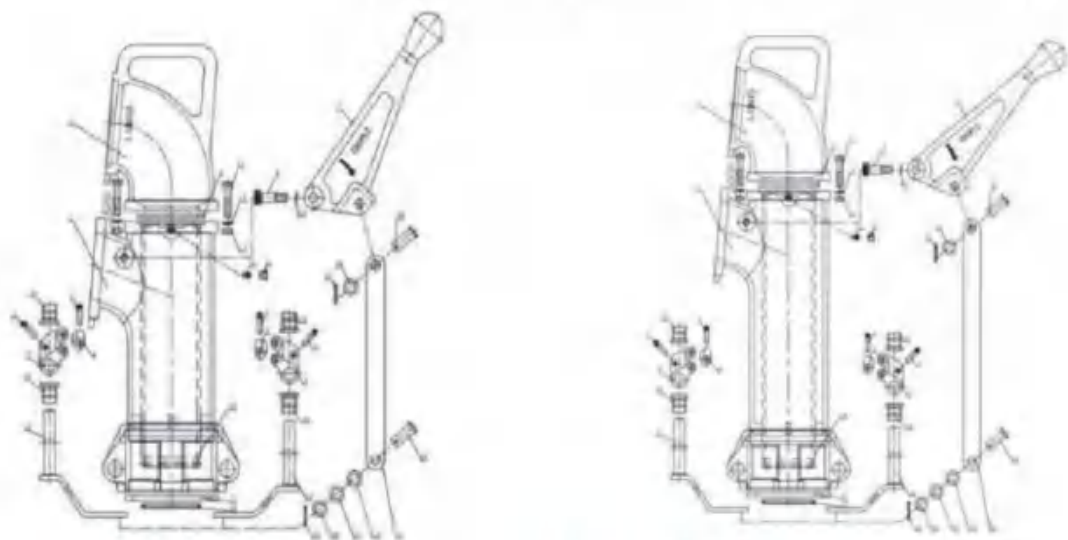
1. Body: Aluminum body
2. Handle: Aluminum
3. Inlet and outlet connection :Aluminum
4. Hardware: Stainless steel
5. Gasket connect:NBR
6. Flat/Waved washer: Stainless steel
7. Sight Glass:PMMA

Specifications

1. Heavy duty aluminum alloy construction
2. Center of gravity at handle, easy to operate
3. Push to couple, pull to release
4. Five degree angled four bolt flange pattern with variety of different inlets to meet any requirement
5. Unique locking action that insure positive connection and uniform seal compression at fill adapte
6. 360 degree round sight glass window on top



Part No.	Description	FOB Price (US \$)
	Inlet Liquid	
922B	Body Only	
922-400AS/300A	AF400 W/Sight Glass	
922-400AS/300CP	AF400 W/Sight Glass	
922-400A/300A	AF400 W/O Sight Glass	
922-300AS/300A	AF300 W/Sight Glass	
922-300AS/300CP	AF300 W/Sight Glass	
922-300A/300A	AF300 W/O Sight Glass	
922-400BS/300A	BF400 W/Sight Glass	
922-400BS/300CP	BF400 W/Sight Glass	
922-400B/300A	BF400 W/O Sight Glass	
922-400MS/300A	MTF400 W/Sight Glass	
922-400M/300A	MTF400 W/O Sight Glass	
922-400FS/300A	FTF400 W/Sight Glass	
922-400F/300M	FTF400 W/O Sight Glass	



Construction

1. Body: Aluminum body
2. Handle: Aluminum
3. Inlet and outlet connection :Aluminum
4. Hardware: Stainless steel
5. Gasket connectNBR
6. Flat/Waved washer: Stainless steel
7. Sight Glass:PMMA

Specifications

1. Heavy duty aluminum alloy construction
2. Center of gravity at handle, easy to operate
3. Unique locking action that insure positive connection and uniform seal compression at fill adapter.
4. Product port (liquid inlet) on top and vapor port on bottom to eliminate vapor interference when draining product
5. 360 degree round sight glass on top for easy monitoring.
6. 5 degree angled four bolt flange pattern with variety of different inlets and outlets to meet any requirement
7. Coaxial elbows meet stage 1 & 2 vapor recovery standards



Part No.	Description	FOB Price (US \$)
818B	Body Only	
818-300A	Outlet AF300	
818-400A	Outlet AF400	
818-300CP	Outlet AF300CP	
818-300B	Outlet BF300	
818-400B	Outlet BF400	

Construction

1. Body: Aluminum body
2. Handle: Aluminum
3. Inlet and outlet connection :Aluminum
4. Hardware: Stainless steel
5. V Type Gasket: PU
6. Flat washer: Oil seal

Specifications

1. One piece aluminum alloy construction .easy to operate
2. Push to couple, push and squeeze to release.
3. Five degree angled four bolt flange pattern with variety of different outlets to meet any requirement
4. Polyurethane V type gasket
5. Overall height 18"

Flange

Male Adaptor x



Aluminum	
Size	Part No.
3H	AF300
4"	AF400

Female Coupler x



Aluminum	
Size	Part No.
3H	BF300
4"	BF400

Female Thread x



Aluminum	
Size	Part No.
3H	FTF300
4"	FTF400

Male Thread x FI



Aluminum	
Size	Part No.
3"	MTF300
4"	MTF400



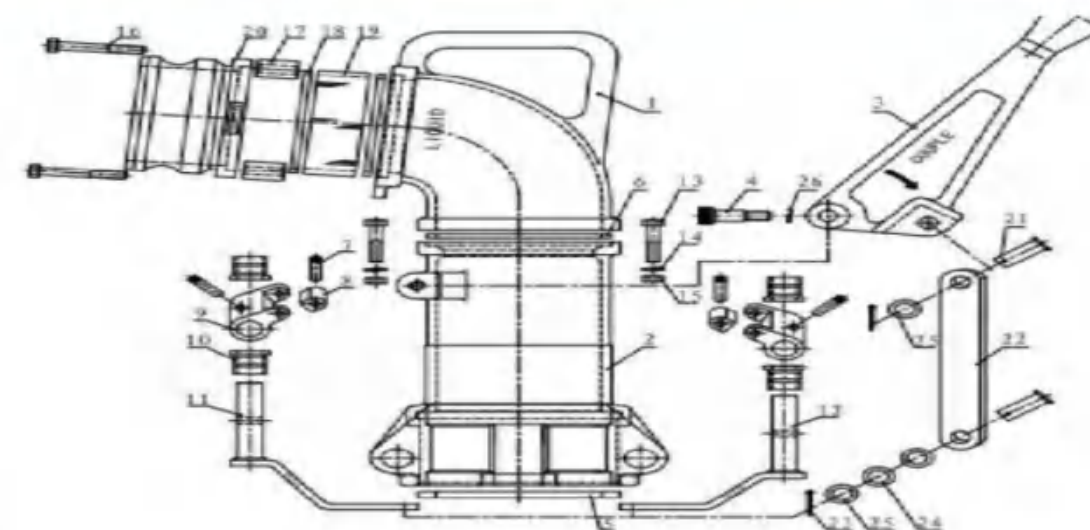
Part No.	Description	FOB Price (US \$)
919B	Bodz Only	
919-300AS	Inlet AF300 W/Sight Glass	
919-400AS	Inlet AF400 W/Sight Glass	
919-300BS	Inlet BF300 W/Sight Glass	
919-400BS	Inlet BF400 W/Sight Glass	
919-300MS	Inlet MTF300 W/Sight Glass	
919-400MS	Inlet MTF400 W/Sight Glass	
919-300FS	Inlet FTF300 W/Sight Glass	
919-400FS	Inlet FTF400 W/Sight Glass	
919-300A	Inlet AF300 W/O Sight Glass	
919-400A	Inlet AF400 W/O Sight Glass	

Construction

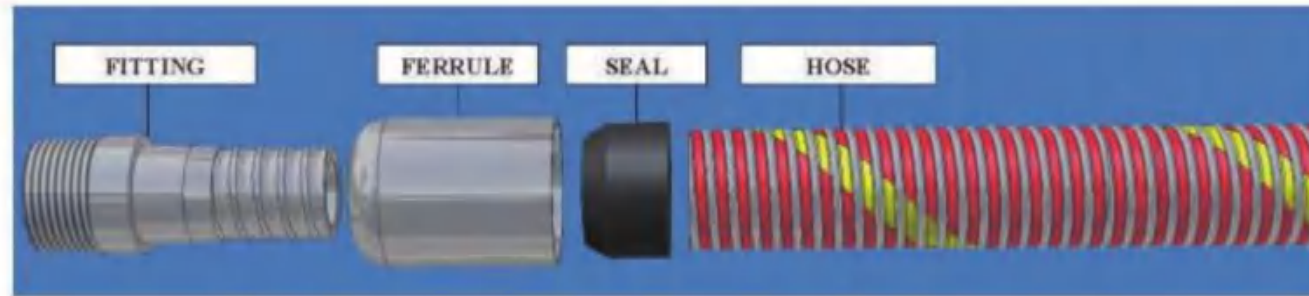
1. Body: Aluminum body
2. Handle: Aluminum
3. Inlet and outlet connection :Aluminum
4. Hardware: Stainless steel
5. Gasket connect: NBR
6. Flat/Waved washer: Stainless steel
7. Waved Washer: Steel and stainless steel
8. Sight Glass: PMMA

Specifications

1. Heavy duty aluminum alloy construction
2. Center of gravity at handle, easy to operate
3. Five degree angled four bolt flange pattern with variety of different inlets to meet any requirement.
4. Unique locking action that insure positive connection and uniform seal compression at fill adapte
5. 360 degree round sight glass window on top



No.	Description	Material	Qty
26	Waved Washer	CS	1
25	Flat Washer	SS304	3
24	Waved Washer	SS304	1
23	Cotter Pin	SS304	2
22	Flat Linkage	SS304	1
21	Clevis Pin	SS304	2
20	Inlet Adapter-3A	Aluminum	1
	Inlet Adapter-4A	Aluminum	1
	Inlet Coupler-3B	Aluminum	1
	Inlet Coupler-4B	Aluminum	1
	Inlet Male Thread-3" NPT	Aluminum	1
	Inlet Male Thread-4" NPT	Aluminum	1
19	Sight Glass	Acrylic	1
18	Gasket	NBR	2
17	Space Holder	6061	4
16	Bolt	SS304	4
15	Hex Nut	SS304	4
14	Spring Washer	SS304	4
13	Bolt	SS304	4
12	Right Linkage Arm	SS304	1
11	Left Linkage Arm	SS304	1
10	Sleeve	HPb59-1	4
9	Cam Arm	SS304	2
8	Cam	SS304	2
7	Pin	SS304	4
6	Gasket Connect	NBR	1
5	Gasket Fill Adapter	NBR	1
4	Shoulder screw	CS	1
3	Handle	ZL101A	1
2	Lower Body	ZL101A	1
1	Upper Body	ZL101A	1



Composite Hose



Features	1. Maximum work pressure: 1.6MPa 2. Temperature Range: -30°C to 80°C (-220°F to +176°F) 3. Media: Oil and Chemistry
Construction	1. Inner wire: Hot Galvanized steel, SS 304 or SS316 inner interlayer: Polypropylene, PTFE 2. Cover: PVC 3. Outer wire: Hot galvanized steel, Ss 304 or SS316 It can be used for transferring almost liquid.

Technology date

Part No.	I.D.		Weight	Maximum W.P.	Minimum Bending Radius
	inch	mm		Mpa	mm
GH-100	1	25	1.35	1.6	200
GH-150	2001/1/2	40	1.8	1.6	200
GH-200	2	50	2.45	1.6	225
GH-250	2002/1/2	65	3.2	1.6	225
GH-300	3	80	4.2	1.6	350
GH-400	4	100	4.9	1.6	400
GH-600	6	150	12.9	1.6	575
GH-800	8	200	20.1	1.6	800
GH-1000	10	250	26.5	1.6	1000
GH-1200	12	300	31.8	1.6	1200



Carbon Steel Floating End TTMA Flange		
Size	Part No.	FOB Price (US \$)
2"	KC-200S-FF	
3"	KC-300S-FF	
4"	KC-400S-FF	



Carbon Steel Weld End TTMA Flange		
Size	Part No.	FOB Price (US \$)
2"	KC-200S-F	
3"	KC-300S-F	
4"	KC-400S-F	

Aluminum Male Camlock



Size	Part No.
2"	E-200S-AL
3"	E-300S-AL
4"	E-400S-AL

Aluminum Female Cam lock



Size	Part No.
2"	C-200S-AL
2.5"	C-250S-AL
3M	C-300S-AL
4"	C-400S-AL

SS316 Male Camlock



Size	Part No.
2n	E-200S-SS
3n	E-300S-SS
4"	E-400S-SS

SS316 Female Camlock



Size	Part No.
2"	C-200S-SS
3"	C-300S-SS
4"	C-400S-SS

Aluminum Male



Size	Part No.
2°	MT-200S-AL
3°	MT-300S-AL
4"	MT-400S-AL

SS316 Male Thread



Size	Part No.
2°	MT-200S-SS
3"	MT-300S-SS
4"	MT-400S-SS

Steel KC with spiral hose



Size	Part No.
2°	KC-200S-S
3°	KC-300S-S
4"	KC-400S-S

Grooved KC with spiral hose shank



Size	Part No.
2°	E-200S-AL
3H	E-300S-AL
4"	E-400S-AL

Aluminum Camlock With Jackscrew



Size	Part No.
2"	C-200S-AL
2, X3, 1'	C-3020S-AL
3"	C-300S-AL
4"	C-400S-AL

Carbon Steel Ferrule



Size	Part No.
1-1/2"	CHCF-150-S
2"	CHCF-200-S
2-1/2"	CHCF-250-S
3H	CHCF-300-S
4H	CHCF-400-S

SS316 Ferrule



Size	Part No.
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



Size	Part No.
1-1/2"	CHCF-150-AL
2"	CHCF-200-AL
3H	CHCF-300-AL
4"	CHCF-400-AL

VITON Gasket



Size	Part No.
2"	CHCG-200-NR
3"	CHCG-300-NR
4"	CHCG-400-NR

NBR Gasket



Size	Part No.
2"	CHCG-200-NR
3"	CHCG-300-NR
4"	CHCG-400-NR



Oil Transfer System



Series of Vapor Valve

Manhole Cover

oil vapor recovery

4" API Valves

Bottom Valves



Pneumatic Vapor Valve for 16" and 20" Man Hole Cover



Part No.	Size	FOB Price (US \$)
816P	3"	

Part No.	Size	FOB Price (US \$)
820P	3"	

Construction

1. Body: Aluminum
2. Parts: Stainless steel

Specifications

1. Poppet opens into tank to prevent leakage from sumps or from overturned tank. 7.345 square inches of flow area.
2. Hard anodized aluminum hood and low profile
3. Tapered seat design with viton O-ring seal provides leadtight seal.
4. Stainless steel spring, screws, bolts, and nuts resists corrosion.
5. 1/4" NPT EXTERNAL PNEUMATIC CONNECTION.
6. P/N: 820P Installs easily off-set in 20" manhole or separate 3" TTMA size mounting ring.

Manhole Cover



Part No.	Size	FOB Price (US \$)
1016-MHC	16"	
1020-MHC	20"	

Construction

1. Robust construction
2. Integrated breather vent
3. Integrated emergency pressure relief valve
4. Galvanized steel
5. Integrated locking mechanism

Specifications

1. the SK4500AI manhole cover, covers the demands of the ADR2007 regulation and the adopted standards EN13317, EN13314

Pneumatic Vapor Valve for 16" and 20" Man Hole Cover



Part NO.	SIZE	Description	FOB Price (US \$)
8434A	4" x 3"	Aluminum	
843A	4" x 3"	Hardcoat Aluminum	



Part NO.	SIZE	Description	FOB Price (US \$)
VRF-400-AL	4"		



Part NO.	SIZE	Description	FOB Price (US \$)
VRM-400-AL	4"		

Construction

1. Body: Aluminum body

Specifications

1. Use with CVR400AL or CVR4030AL
2. Vapor adapter poppeted with 4' Cam&Groove and 3' female NPT

Lockable 4" DUST CAP for Vapor Recovery



Part NO.	SIZE	Description	FOB Price (US \$)
840DC	4"	Red/Orange color Coding	

Construction

1. Body: Ny-glass
2. Handle: stainless steel

Specifications

1. Ny-glass lockable pull out handle with stainless steel arms.
2. Can be locked from either side of handle
3. Ability to add safety chains to cap from either side
4. One hand operation to open or close

API Valve



Part NO.	SIZE	Description	FOB Price (US \$)
APIAP-400-AL	4"		



Part NO.	SIZE	Description	FOB Price (US \$)
APIAPB-400-AL	4"	with a brass ring	
APIA-400-AL	4"	W/O sight glass and handle	

Construction

1. Body: Aluminum body
2. Nose ring: aluminum
3. Hardware: Stainless steel
4. Fixed handle: aluminum
5. Seals: Viton or NBR

Specifications

1. Heat-treated aluminum construction
2. Large inside diameter for higher flow rate at 290 gallons per minute
3. Heat treated high strength aluminum one-piece heavy-duty poppet and stainless steel trim for longer life
4. Multi-position short stroke aluminum handle with smooth rotation of less than 60°
5. Meets API RP-1004 specifications with a standard 4" TTMA flange

1004DC Dust Cap



Part NO.	SIZE	Description	FOB Price (US \$)
APIAP-400-AL	4"		

Construction

1. Body: Aluminum
2. Handle: stainless steel

Specifications

1. Aluminum alloy construction with stainless steel handle device
2. Meets API RP-1004 specification protects poppet face of API head
3. Nylon-glass cam handle with stainless steel feature reduces wear and is non-corrosive
4. Cam handle and lug designed for one hand operation.
5. Buna-N gasket standard. 6. interchangeable with competitor's items made to the same specifications.

Pneumatic Air Interlock Valve A.P.I



Part NO.	Description	FOB Price (US \$)
800	Valve	

MB Aluminum



Size	Part No.
2H	MB-50-AL
3"	MB-80-AL
4"	MB-100-AL

VK Brass



Size	Part No.
2H	VK-50-BR
3H	VK-80-BR
4"	VK-100-BR

VB Aluminum



Size	Part No.
2H	VB-50-ALL
3"	VB-80-AL
4"	VB-100-AL

MK Brass



Size	Part No.
2H	MK-50-BR
3"	MK-80-BR
4"	MK-100-BR

DIN 2817 Safety Clamp



Size	Part No.
ND50*8	AL SS
ND50*10	AL SS
ND75*8	AL SS
ND100*8	AL SS
ND100*10	AL SS

Brass Male Hose Tail BSPP



Size	Part No.
2H	GA-200-BR
3H	GA-300-BR
4"	GA-400-BR



Part NO.	SIZE	Description	FOB Price (US \$)
VA6000	5"x 4"	Grooved Elbow Crude Oil	
		Emergency Valve W/Viton	

Construction

- 1.5"x 4" Air Operated Emergency Valve is suitable for both petroleum and crud applications.
- Uniquely engineered with no moving parts in the flow path for a superior flow rate. Also designed with an independent external exhaust, which isolates the valve exhaust from the rest of the system. This valve is compatible with diesel, biodiesel, gasoline, ethanol and methanol. The Viton GFLT seal provides ultimate product compatibility.
- This valve features an integrated air inlet that allows the unit to close if it becomes sheared in the result of an accident. It incorporates a frangible shear groove per 49CFR178.345-8 tested per TTMA RP 84. A factory installed fusible plug that will melt at a temperature of 212° F (100° C) allowing the valve to deplete air pressure. Also included is a mechanical jack screw for manual operation in the event of air pressure loss.
- Performance Emergency Valve conforms with API 1004 and EN 13083 standards.

Frature

- Designed for crude and petroleum applications
- No moving parts in flow path for superior flow rates and faster drops Independent external exhaust
- Viton GFLT Seal for superior compatibility Mechanical jack screw allows product to be off-loaded in the event of air pressure loss
- Meets API 1004 and EN 13083 standards
- Compatible with 4" TTMA sumps
- Compatible with diesel, biodiesel, gasoline, ethanol and methanol Hard coat anodized aluminum and stainless steel components
- Available in a variety of configurations
- Operating Pressure Crude: Minimum 70 psi (4.83 bar) line pressure
- Operating Pressure Petroleum: Minimum 30 psi (2.06 bar) line pressure



Body	Female Thread with TMMA Flange W/Sight Glass
RCFTS-400API	Assembly with API Adapter
RCFTS-400FTF	Assembly with Female Thread

Construction

- 1.Boday:Aluminum
- 2.Stainless steel spring on the adapter

Specifications

- 1.Provides a greater flow for heavy crude oil
- 2.Safe and reliable- valves will not open unless fittings are properly connected

Drag Hose coupling



Part No. Size

DHCS-400-AL	4"
DHCS-450-AL	4-1/2"
DHCS-500-AL	5"
DHCS-550-AL	5-1/2"
DHCS-600-AL	6"
DHCS-700-AL	7"
DHCS-800-AL	8"
DHCS-1000-AL	10"

STORZ Coupling



Part No. Size

ST400-AL	4"
ST500-AL	5"
ST600-AL	6"

Part No. Size

ST800-AL	8"
ST1000-AL	10"
ST-1200-AL	12"



Drag Hose Coupling-Hose Mender



Part No. Size

DHMS-400-AL	4"
DHMS-450-AL	4-1/2"
DHMS-500-AL	5"
DHMS-550-AL	5-1/2"
DHMS-600-AL	6"
DHMS-700-AL	7"
DHMS-800-AL	8"
DHMS-1000-AL	10"

Ring Lock Fittings



Part No. Size

RLW-300	3"
RLW-400	4"
RLW-500	5"
RLW-600	6"
RLW-800	8"
RLW-1000	10"
RLW-1200	12"

Large Diameter Grooved Hose Coupling Set (without Victaulic clamp) Hard Anodizing



Part No. Size

LDHC-400-AL	4"
LDHC-600-AL	6"
LDHC-800-AL	8"
LDHC-1000-AL	10"
LDHC-1200-AL	12"

Ringlock Push-in Type Full Set



Part No. Size

RLP-300	3"
RLP-400	4"
RLP-500	5"
RLP-600	6"
RLP-800	8"
RLP-1000	10"
RLP-1200	12"

Large Diameter Grooved Hose Mender Full Set



Part No. Size

LDHM400-AL	4"
LDHM600-AL	6"
LDHM800-AL	8"
LDHM1000-AL	10"
LDHM1200-AL	12"

Ringlock Barb Hose Shank Type Male End



Part No. Size

RLBM-300	3"
RLBM-400	4"
RLBM-500	5"
RLBM-600	6"
RLBM-800	8"
RLBM-1000	10"
RLBM-1200	12"

C2C Hose Fittings

Ringlock Barb Hose Shank Type Male End



Part No. Size

RLWO-300	3"
RLWO-400	4"
RLWO-500	5"
RLWO-600	6"
RLWO-800	8"

LINE TEE



Part No. Size

RLET-400	4"
RLET-500	5"
RLET-600	6"
RLET-800	8"

Ringlock Barb Hose Shank Type Male End



Part No. Size

RLWO-300-AL	3"
RLWO-400-AL	4"
RLWO-500-AL	5"
RLWO-600-AL	6"
RLWO-800-AL	8"

Standard Sytle Bauer Coupling-Full Set



Part No. Size Description

BAUER-200	2"	2" Crimping Sytle Bauer coupling
BAUER-300	3"	3" Crimping Sytle Bauer coupling
BAUER-400	4"	4" Crimping Sytle Bauer coupling
BAUER-500	5"	5" Crimping Sytle Bauer coupling
BAUER-600	6"	6" Crimping Sytle Bauer coupling
BAUER-800	8"	8" Crimping Sytle Bauer coupling
BAUER-1000	10"	10" Crimping Sytle Bauer coupling

END CAP



Part No. Size

RLEC-300	3"
RLEC-400	4"
RLEC-500	5"
RLEC-600	6"
RLEC-800	8"

END PLUG



Part No. Size

RLEP-300	3"
RLEP-400	4"
RLEP-500	5"
RLEP-600	6"
RLEP-800	8"



SAFETY INLINE VAC RELIEF VALVE



Part No. Size

RLRV-400	4"
RLRV-500	5"
RLRV-600	6"
RLRV-800	8"

LINE TEE



Part No. Size

RLLT-400	4"
RLLT-500	5"
RLLT-600	6"
RLLT-800	8"

Standard Sytle Bauer Coupling-Full Set



Part No. Size Description

BAUER-200-KC	2"	2" Crimping Sytle Bauer coupling
BAUER-300-KC	3"	3" Crimping Sytle Bauer coupling
BAUER-400-KC	4"	4" Crimping Sytle Bauer coupling
BAUER-500-KC	5"	5" Crimping Sytle Bauer coupling
BAUER-600-KC	6"	6" Crimping Sytle Bauer coupling
BAUER-800-KC	8"	8" Crimping Sytle Bauer coupling
BAUER-1000-KC	10"	10" Crimping Sytle Bauer coupling



C2C Hose Fittings

Miller Coupling Full Set-M Type



Part No.	Size	Description
MTC-600	6"	6" Miller Coupling
MTC-800	8"	8" Miller Coupling
MTC-1000	10"	10" Miller Coupling
MTC-1200	12"	12" Miller Coupling



Aluminum Bauer Coupling



Part No.	Size	Description
BAUER-400-AL	4"	4" Aluminum Bauer Coupling
BAUER-600-AL	6"	6" Aluminum Bauer Coupling
BAUER-800-AL	8"	8" Aluminum Bauer Coupling
BAUER-1000-AL	10"	10" Aluminum Bauer Coupling



Miller Coupling Full Set-M Type



Part No.	Size	Description
PTC-200	2"	2" Perrot Coupling
PTC-300	3"	3" Perrot Coupling
PTC-350	3-1/2"	3-1/2" Perrot Coupling
PTC-400	4"	4" Perrot Coupling
PTC-600	6"	6" Perrot Coupling

Storz Coupling Hose Shank



Part No.	Size
SCHS-100	1"
SCHS-200A	2"
SCHS-200B	2"
SCHS-2050	2-1/2"
SCHS-300A	3"
SCHS-300B	3"
SCHS-400	4"

Storz Female



Part No.	Size
STF-100	1"
STF-200	2"
STF-250	2-1/2"
STF-300	3"
STF-400	4"

Storz Male



Part No.	Size
STM-100	1"
STM-200	2"
STM-250	2-1/2"
STM-300	3"
STM-400	4"

Storz Cap



Part No.	Size
STCAP-100	
STCAP-200	
STCAP-250	
STCAP300	
STCAP400	

Storz Reduced Size



Part No.	Size
St2010	2"X1"
ST2520	2-1/2"X2"
ST3020	3"X2"
ST3025	3"X2-1/2"
ST4030	4"X3"

Male Adapter Female Thread



TYPE A

Part No.	Size
A-050-AL	1/2"
A-075-AL	3/4"
A-100-AL	1"
A-125-AL	1-1/4"
A-150-AL	1-1/2"
A-200-AL	2"
A-250-AL	2-1/2"
A-300-AL	3"
A-400-AL	4"
A-500-AL	5"
A-600-AL	6"
A-800-AL	8"

C2C Hose Fittings

Female coupler male thread

Part No.	Size
B-050-AL	1/2"
B-075-AL	3/4"
B-100-AL	1"
B-125-AL	1-1/4"
B-150-AL	1-1/2"
B-200-AL	2"
B-250-AL	2-1/2"
B-300-AL	3"
B-400-AL	4"
B-500-AL	5"
B-600-AL	6"
B-800-AL	8"

TYPE B

Female coupler hose shank

Part No.	Size
C-050-AL	1/2"
C-075-AL	3/4"
C-100-AL	1"
C-125-AL	1-1/4"
C-150-AL	1-1/2"
C-200-AL	2"
C-250-AL	2-1/2"
C-300-AL	3"
C-400-AL	4"
C-500-AL	5"
C-600-AL	6"
C-800-AL	8"

TYPE C

Dust Plug

Part No.	Size
DP-050-AL	1/2"
DP-075-AL	3/4"
DP-100-AL	1"
DP-125-AL	1-1/4"
DP-150-AL	1-1/2"
DP-200-AL	2"
DP-250-AL	2-1/2"
DP-300-AL	3"
DP-400-AL	4"
DP-500-AL	5"
DP-600-AL	6"
DP-800-AL	8"

TYPE DP

Female coupler hose shank

Part No.	Size
E-075-ALMS	3/4"
E-100-ALMS	1"
E-125-ALMS	1-1/4"
E-150-ALMS	1-1/2"
E-200-ALMS	2"
E-250-ALMS	2-1/2"
E-300-ALMS	3"
E-400-ALMS	4"
E-500-ALMS	5"
E-600-ALMS	6"
E-800-ALMS	8"

TYPE C

Female coupler female thread

Part No.	Size
TYPE D	Part No. Size
D-050-AL	1/2"
D-075-AL	3/4"
D-100-AL	1"
D-125-AL	1-1/4"
D-150-AL	1-1/2"
D-200-AL	2"
D-250-AL	2-1/2"
D-300-AL	3"
D-400-AL	4"
D-500-AL	5"
D-600-AL	6"
D-800-AL	8"

Male adapter hose shank

Part No.	Size
TYPE E	Part No. Size
E-050-AL	1/2"
E-075-AL	3/4"
E-100-AL	1"
E-125-AL	1-1/4"
E-150-AL	1-1/2"
E-200-AL	2"
E-250-AL	2-1/2"
E-300-AL	3"
E-400-AL	4"
E-500-AL	5"
E-600-AL	6"
E-800-AL	8"

Male adapter hose shank

Part No.	Size
F-075-ALMS	3/4"
F-100-ALMS	1"
F-125-ALMS	1-1/4"
F-150-ALMS	1-1/2"
F-200-ALMS	2"
F-250-ALMS	2-1/2"
F-300-ALMS	3"
F-400-ALMS	4"
F-500-ALMS	5"
F-600-ALMS	6"
F-800-ALMS	8"

TYPE E

Female coupler x male adapter

Part No.	Size
DA 1510AL	1.5"Fx1"M
DA 1520AL	1.5"Fx2"M
DA 2015AL	2"Fx1.5"M
DA 2030AL	2"Fx3"M
DA 2040AL	2"Fx4"M
DA 3015AL	3"Fx1.5"M
DA 3020AL	3"Fx2"M
DA 3040AL	3"Fx4"M
DA 4020AL	4"Fx2"M
DA 4030AL	4"Fx3"M
DA 4060AL	4"Fx6"M
DA 6040AL	6"Fx4"M

Type DA

Male adapter male thread

Part No.	Size
F-050-AL	1/2"
F-075-AL	3/4"
F-100-AL	1"
F-125-AL	1-1/4"
F-150-AL	1-1/2"
F-200-AL	2"
F-250-AL	2-1/2"
F-300-AL	3"
F-400-AL	4"
F-500-AL	5"
F-600-AL	6"
F-800-AL	8"

TYPE F

Dust cap

Part No.	Size
DC-050-AL	1/2"
DC-075-AL	3/4"
DC-100-AL	1"
DC-125-AL	1-1/4"
DC-150-AL	1-1/2"
DC-200-AL	2"
DC-250-AL	2-1/2"
DC-300-AL	3"
DC-400-AL	4"
DC-500-AL	5"
DC-600-AL	6"
DC-800-AL	8"

TYPE DC

90° Coupling DA

Part No.	Size
DA200-AL	90°2"
DA300-AL	90°3"
DA400-AL	90°4"
DA500-AL	90°5"
DA600-AL	90°6"

45° Coupling DA

Part No.	Size
DA200-AL	45°2"
DA300-AL	45°3"
DA400-AL	45°4"
DA500-AL	45°5"
DA600-AL	45°6"

C2C Hose Fittings

King Nipple



Part No.	Size
KC-050	1/2"
KC-075	3/4"
KC-100	1"
KC-125	1-1/4"
KC-150	1-1/2"
KC-200	2"
KC-250	2-1/2"
KC-300	3"
KC-400	4"
KC-500	5"
KC-600	6"
KC-800	8"
KC-1000	10"

Sleeve



Part No.	Sleeve ID
310S30P	3-9/16"
415S40P	4-14/16"
700S60P	6-14/16"
706S60P	7"
904S80P	7-1/16"

Bauer Type Coupling With Strainer



Part No. Size

BTC200-ST	2"
BTC300-ST	3"
BTC400-ST	4"
BTC600-ST	6"
BTC800-ST	8"

Ferrule



Part No.	Sleeve ID
310F30P	3-9/16"
415F40P	4-14/16"
700F60P	6-14/16"
706F60P	7"
904F80P	7-1/16"

Double Bolt



Part No.	Size
SL	

Bauer Female 6" Red-to



Part No.	Size
BRC1-200	2"
BRC1-300	3"
BRC1-400	4"

6" Female Hose End



Part No.	Size
BRC2-600	6"

Spiral Hose Clamp



Part No.	Size
SHC	

T-bolt



Part No.	Size
TPL	

6" Male Hose End



Part No.	Size
BRC3-600	6"

6" Male Quick Attach Assembly



Part No.	Size
BRC4-600	6"

Punch Clamp



Part No.	Size
CP	

Gear Clamp



Part No.	Size
GC	

6" Female Quick Attach Assembly



Part No.	Size
BRC5-600	6"

Bauer Female



Part No.	Size
BRC6-400	4"
BRC6-500	5"
BRC6-600	6"

Italian Male



Part No.	Size
BRC7-400	4"
BRC7-500	5"
BRC7-600	6"

Italian Male 6" Red-to



Part No.	Size
BRC8-400	2"
BRC8-500	3"
BRC8-600	4"

Italian Male 6" Red- to



Part No.	Size
BRC9-400	2"
BRC9-500	3"
BRC9-600	4"

Italian Male



Part No.	Size
BRC10-300	3"
BRC10-400	4"
BRC10-500	5"

Italian Female Quick Attach Assembly



Part No.	Size
BRC11-300	3"
BRC11-400	4"
BRC11-500	5"

Hose Joiner



Part No.	Size
HJC1-400	4"
HJC1-500	5"

Hose Joiner



Part No.	Size
HJC2-300	3"
HJC2-400	4"
HJC2-500	5"
HJC2-600	6"

Bauer Type Coupling With Male Thread



Part No.	Size
BTC200-M	2"
BTC300-M	3"
BTC350-M	3-1/2"
BTC400-M	4"
BTC600-M	6"
BTC800-M	8"

Bauer Type Coupling With Flange



Part No. Size

BTC200-FL	2"
BTC300-FL	3"
BTC400-FL	4"
BTC600-FL	6"
BTC800-FL	8"

Bauer Coupling Male Ball With Flange(150 ASA) -B Type



Part No. Size

BTCMF-200	2"
BTCMF-300	3"
BTCMF-400	4"
BTCMF-500	5"
BTCMF-600	6"
BTCMF-800	8"

Bauer Coupling Female Ball With Flange(150 ASA) -B Type



Part No. Size

BTCFF-200	2"
BTCFF-300	3"
BTCFF-400	4"
BTCFF-500	5"
BTCFF-600	6"
BTCFF-800	8"

Gate Valve Fittings: Female End with 4 Bolt Flange



Part No. Size

SC1-600	6"
---------	----

C2C Hose Fittings

Gate Valve Fittings: Male End with 4 Bolt Flange



Part No.	Size
SC2-600	6"

4 Hole Flange



Part No.	Size
SC3-400	4"
SC3-500	5"

6" Female Sprinkler 90° with Cone



Part No.	Size
SC10-600	6"

6" Male Sprinkler 90° with Cone



Part No.	Size
SC11-600	6"

Male&Female 90° Coupling



Part No.	Size
SC4-600	6"

Male&Female 90° Coupling



Part No.	Size
SC5-600	6"

6" Male & Female 90° Bend



Part No.	Size
SC12-600	6"

6" Female Assembly



Part No.	Size
SC13-600	6"

Male 90° with Cone



Part No.	Size
SC6-600	6"

Steel Pipe 90° Bend



Part No.	Size
SC7-600	6"

6" Female Precision Assembly



Part No.	Size
SC14-600	6"

6" Male Precision Assembly



Part No.	Size
SC15-600	6"

Threaded Steel Tube



Part No.	Size
SC8-600	6"

6" Male 70° Assembly



Part No.	Size
SC9-600	6"

6" Female Assembly



Part No.	Size
SC16-600	6"

C2C Hose Fittings

6" Male Precision Assembly

Part No.	Size
SC17-600	6"

6" Female Assembly

Part No.	Size
SC18-6006"	

Pressure Gauge

Part No.	Size
PG2502	1/2"
PG400	4"
PG4504	1/2"

Strainer

Part No.	Size
RHS150	2"
RHS200	3"
RHS250	2-1/2"
RHS300	3"
RHS400	4"
RHS600	6"
RHS800	8"

Non-Screw Sight Glass

Part No.	Size
NSSG500-AL	5"
NSSG500-FE	5"
NSSG500-SS	5"

Screw Sight Glass

Part No.	Size
SSG200-FE	2"
SSG300-FE	3"

Manhole

Part No.	Size
MH001	

Screw Sight Glass

Part No.	Size
WN001-FE	
WN002-SS	

Gearbox

Part No.	Size
GB4090	

Docking Funnel

Part No.	Size
DF-600	6"
DF-800	8"
DF-1000	10"

Tool Box

Part No.	Size
Tb001	

Sponge Clean Out Ball

Part No.	Size
WN001-FE	
WN002-SS	

Floating Rubber Ball

Part No.	Size
FRB60-160mm	
FRB70-170mm	
FRB80-180mm	
FRB100-1100mm	

Floating Stainless Steel Ball

Part No.	Size
RB60-260mm	
FRB70-270mm	
FRB80-280mm	
FRB100-2100mm	

Butterfly Valve Wafer Type

Part No.	Size
BFVL300	3"
BFVL400	4"
BFVL600	6"
BFVL800	8"
BFVL1000	10"
BFVL1200	12"

Butterfly Valve Wafer Type

Part No.	Size
BFVW300	3"
BFVW400	4"
BFVW600	6"
BFVW800	8"
BFVW1000	10"
BFVW1200	12"

C2C Hose Fittings

Brass Vacuum Relief Valve



Part No.	Size
VRVL150	1-1/2"
VRVLC150	

Brass Pressure Relief Valve



Part No.	Size
PRVL125	1-1/4"
PRVL150	1-1/2"
PRVL200	2"
PRVLR	

Brass Lever Gate Valve



Part No.	Size
GV200	2"
GV300	3"
GV400	4"
GV600	6"

Brass Lever Gate Valve- Flange×NPT



Part No.	Size
GV400	4"
GV600	6"

Brass Piston Valve NPT×NPT



Part No.	Size
BPV400	4"
BPV400-A	4"
BPV400-H	4"
BPV600-M	6"
BPV600-A	6"
BPV600-NH	6"

4Bolt Flange Brass Piston Valve



Part No.	Size
BFPV400	4"
BFPV400-A	4"
BFPV400-H	4"
BFPV600	6"
BFPV600-A	6"
BFPV600-H	6"
BFPV800	8"

Brass Ball Valve

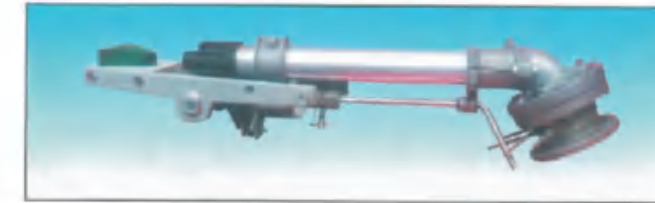


Part No.	Size
BBV050	1/2"
BBV075	3/4"
BBV100	1"
BBV125	1-1/4"
BBV150	1-1/2"
BBV200	2"
BBV300	3"
BBV400	4"

Brass Bolted Ball Valve



Part No.	Size
BBBV400	4"



sprinkler gun



22° General style



22° Lengthen style



44° General style



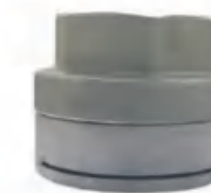
44° Lengthen style

Sprinkler parts



Part No.	Size
SP001	2"

Sprinkler parts



Part No.	Size
Sp002	2"

Sprinkler parts



Part No.	Size
SP003	2"

Sprinkler parts



Part No.	Size
SP004	1.5"

Sprinkler parts



Part No.	Size
SP005	Ø12 Ø30

Sprinkler parts



Part No.	Size
Sp006	2" 2.5"

C2C Hose Fittings

Sprinkler parts



Sprinkler parts



Sprinkler parts



Sprinkler parts



Sprinkler parts



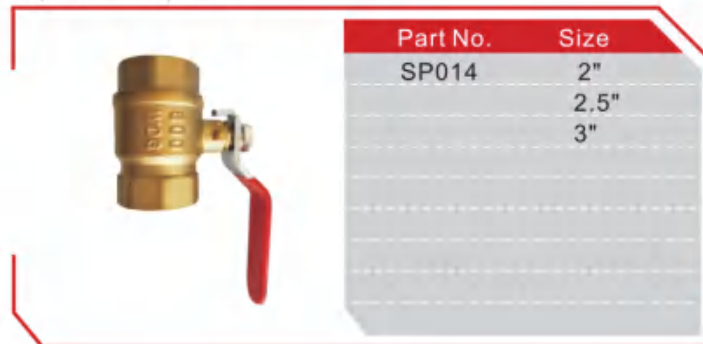
Sprinkler parts



Sprinkler parts



Sprinkler parts



Application:

one type of through-the-weave polyurethane (PU/TPU) covered hose. Manureflow Drag hoses shall be made from 100% high tenacity synthetic yarn circular woven and completely, totally embedded in the PU compound, excellent protected against mechanical damage, forming a single homogenous construction without the use of any glues or adhesives of any type. Thick and smooth cover and super adhesion between layers ensure a long life span for drag hoses



Tube:PU/TPU

Reinforcement:Circular woven polyester jacket

Cover:Smooth PU cover and tube

Temperature:(-)60°F to (+)176°F

Lengths:660ft/200m;990ft/300m,1320ft/400m,other lengths available per request

Technoogy

Part No	Size	Hose I.D.(mm)	W.P.	Burst Pressur	Wall Thickness(mm)
PUDRH190103	4"	103+2.0	190	560	3.6
PUDRH190128	5"	128+2.5	190	560	4
PUDRH150141	5.5"	141+2.5	150	450	4
PUDRH150153	6"	153+2.5	150	450	4.2
PUDRH135178	7"	178+3.0	135	405	4.4

Application:

Designed for Suction , discharge or gravity flow of water ,salt water and oily water in construction , agriculture mining or equipment rental . Green PVC, flexible.



Tube:PVC

Reinforcement:PVC Helix

Cover:weather,ozone and UV resistant

Temperature:(-)14°F to (+)150°F

Lengths:lengths available per request

Technoogy

Part No	Size	Hose I.D. (mm)	W.P.	BurstPressure	WallThickness(mm)
PVCHH 10019	3/4"	19.05	100		5.08
PVCHH 10025	1"	25.4	100		5.59
PVCHH 10031	1-1/4"	31.75	100		4.06
PVCHH 10038	1-1/2"	38.1	100		6.86
PVCHH 10050	2"	50.8	100		8.13
PVCHH 8063	2-1/2"	63.5	80		9.4
PVCHH 7576	3"	76.2	75		8.89
PVCHH 60101	4"	101.6	60		12.45
PVCHH 50152	6"	152.5	50		11.58

Application:

Septic,waste water and liquid manure handing; agricultural liquid fertilizers and standard duty water suction,as well as suction and transfer for rental construction and trash pump.



Tube:EPDM

Reinforcement:EPDM tube with polyethylene clockwise helix

Cover:

Temperature:(-)40°F to (+)140°F

Lengths:lengths available per request

Technoogy

Part No	Size	Hose I.D. (mm)	W.P.	BurstPressure	WallThickness(mm)
PVCHH 10019	1-1/2"	38.1	50		8.89
PVCHH 10025	2"	50.8	50		10.92
PVCHH 10031	3"	76.2	45		13.21
PVCHH 10038	4"	101.6	38		15.24

SEPTIC & WASTEWATER

Designed for general water discharge in construction, agriculture and irrigation. Blue PVC, flexible, reinforcement is knitted polyester yarn. Temperature range -14°F to +150°F.



Inner Diameter (inch/mm)	Wall thickness (inch/mm)	Working Pressure
1" 25	0.06 1.5	4bar
1-1/2" 38	0.06 1.5	4bar
2" 50.8	0.06 1.6	4bar
2-1/2" 65	0.06 1.6	4bar
3" 76	0.06 1.6	4bar
4" 102	0.07 1.7	4bar
6" 150	0.07 1.7	3bar

Designed for general water discharge in construction, agriculture and heavy duty equipment rental. Red PVC, reinforcement is knitted polyester yarn. Temperature range -14°F to +150°F.



Inner Diameter (inch/mm)	Outside Diameter (inch/mm)	Working Pressure
1" 25	1.22" 1.7	8bar
1-1/2" 38	1.77" 1.9	8bar
2" 51	2.32" 2	8bar
2-1/2" 64	2.87" 2.1	8bar
3" 76	3.35" 2.5	8bar
4" 102	4.49" 2.6	8bar
6" 152	6.46" 3.1	8bar

Manure transfer hose

Designed for Fish Suction and Transfer, heavy duty water suction and transfer and for trash pump. PVC tube and Sturdy clockwise PVC Helix with high tensile strength polyester yarn reinforcement. Temperature range -13°F to +140°F.



Inner Diameter (inch/mm)	Outside Diameter (inch/mm)	Working Pressure
1-1/2" 38.1	2.03 51.56	7.58bar
2" 50.8	2.6 66.04	6.89bar
2-1/2" 63.5	3.01 76.45	6.89bar
3" 76.2	3.7 93.98	6.89bar
4" 101.6	4.78 121.41	5.52bar
6" 152.4	7.17 182.12	4.83bar
8" 203.2	9.34 237.24	4.14bar
10" 254	11.63 295.4	2.76bar

Designed for use in industrial washdown, irrigation and general dewatering, pump discharge and drainage. Tube and Cover are PVC/NBR compound. Temperature range -36°F to +178°F.



Inner Diameter (inch/mm)	Wall thickness (inch/mm)	Working Pressure
1-1/2" 38.1	0.11 2.791	7.25bar
2" 50.8	0.11 2.791	7.25bar
2-1/2" 63.5	0.11 2.791	7.25bar
3" 76.2	0.11 2.791	7.25bar
4" 101.6	0.11 2.791	3.79bar
6" 152.4	0.11 2.79	10.35bar
8" 203.2	0.11 2.79	10.35bar
10" 254	0.16 4.06	10.35bar

Heavy duty fertilizer or water suction transfer hose. Suitable for agricultural chemicals. Rated for full vacuum

Inner Diameter (inch/mm)	Outside Diameter (inch/mm)	Working Pressure
1-1/2" 38.1	1.89" 48	10bar
2" 50.8	2.44" 62	10bar
3" 76.2	3.46" 88	10bar
4" 101.6	4.49" 114	5.17bar



Designed for manure supply line. Suitable for manure supply, also can be used for dewatering in mining and water transferring in harsh environment. Inner tube and cover are smooth PU, reinforcement with Circular woven polyester jacket. Temperature range -60°F to +176°F.

Inner Diameter (inch/mm)	Wall thickness (inch/mm)	Working Pressure
6" 154	0.17 4.2	14bar
7" 178	0.17 4.2	15bar
8" 204	0.175 4.5	15bar
10" 254	0.18 4.6	14bar





Product NO.	Inlet	Outlet
HY001-001-00	(Φ65)2.5"BS4504	2.5"BS336
HY001-001A-00	(Φ80)3"BS4504	2.5"BS336



Product NO.	Inlet	Outlet
HY001-001B-00	2.5"BSP	2.5"BS336
HY001-001C-00	2.5"BSPT	2.5"BS336



Product NO.	Inlet	Outlet
HY001-002-00	(Φ65)2"BS4504	2.5"BS336
HY001-002C1-00	(Φ65)2.5"JIS10K	2.5"BS336
HY001-002D-00	(Φ65)2.5"BS4504	2.5"BS336



Product NO.	Inlet	Outlet
HY001-002A-00	(Φ65)2"BS4504	2.5"BS336



Product NO.	Inlet	Outlet
HY001-002B-00	2.5"BSP	2.5"BS336



Product NO.	Inlet	Outlet
HY001-002B1-00	(Φ65)2"BS4504	2.5"BS336



Product NO.	Inlet	Outlet
HY001-002B2-00	(Φ65)2.5"ANSI	F2.5"BSP
HY001-002B3-00	(Φ65)2.5"JIS10K	F2.5"BSP
HY001-002B5-00	(Φ65)2.5"BS4504	2.5"BSP



Product NO.	Inlet	Outlet
HY001-002C-00	(Φ65)2.5"JIS10K	2.5"BSP
HY001-002C2-00	(Φ65)2.5"ANSI	F2.5"BSP



Product NO.	Inlet	Outlet
HY001-002D5-00	(Φ65)2.5"BS4504	2.5"BS336



Product NO.	Inlet	Outlet
HY001-002D2-00	(Φ65)2.5"ANSI	2.5"BSP
HY001-002E-00	(Φ65)2.5"BS4504	2.5"NH



Product NO.	Inlet	Outlet
HY001-003-00	2"BSP	UNI70



Product NO.	Inlet	Outlet
HY001-004-00	F2"NPT	F2"NPT
HY001-004A-00	F2"BSP	F2"BSP



Product NO.	Inlet	Outlet
HY001-005-00	2.5"BSP	2.5"BSP
HY001-005A-00	2.5"BSP	2.5"NH
HY001-005C-00	2.5"NPT	2.5"NH



Product NO.	Inlet	Outlet
HY001-005B-00	F2.5"BSP	2.5"BSP
HY001-005B1-00	F2.5"BSP	F2.5"BSP



Product NO.	Inlet	Outlet
HY001-006-00	2.5"BSP	2.5"BS336
HY001-006A-00	3"BSPT	2.5"BS336



Product NO.	Inlet	Outlet
HY001-006B-00	2.5" BSP	2.5" BS336
HY001-006C-00	2.5" BSP	2.5" BS336(Light)



Product NO.	Inlet	Outlet
HY001-006D-00	2.5" BSPT	2.5" BS336
HY001-006E-00	2.5" BSPT	2.5" BS336(PLATED)



Product NO.	Inlet	Outlet
HY001-007-00	1.5" BSP	UNI45



Product NO.	Inlet	Outlet
HY001-007A-00	1.5" BSP	Φ25



Product NO.	Inlet	Outlet
HY001-007C-00	F1.5" BSP	1.5" BSP



Product NO.	Inlet	Outlet
HY001-007E-00	1.5" BSP	1.5" BSP
HY001-007G-00	1.5" BSP	1.5" NH



Product NO.	Inlet	Outlet
HY001-008-00	1" BSP	Φ25



Product NO.	Inlet	Outlet
HY001-008A-00	F1" BSP	Φ25



Product NO.	Inlet	Outlet
HY001-008B-00	1" BSP	Φ25



Product NO.	Inlet	Outlet
HY001-008D-00	1" BSP	M34X3



Product NO.	Inlet	Outlet
HY001-009A-00	2"BSP	2"BSP(+2"storz)



Product NO.	Inlet	Outlet
HY001-009B-00	F2"BSP	2"BSP



Product NO.	Inlet	Outlet
HY001-009C-00	2"BSP	2"BSP(+2"storz)



Product NO.	Inlet	Outlet
HY001-009D-00	F2"BSP	1 3/4"BSP



Product NO.	Inlet	Outlet
HY001-009B1-00	F2"BSP	2"BSP



Product NO.	Inlet	Outlet
HY001-009B2-00	(Φ50)2"ANSI	2"BSP
HY001-009B3-00	(Φ50)2"ANSI	F2"BSP
HY001-009B6-00	(Φ50)2"JIS10K	F2"BSP
HY001-009B8-00	(Φ50)2"BS4504	2"BSP
HY001-048-00	(Φ38)1.5"BS4504	F1.5"BSP



Product NO.	Inlet	Outlet
HY001-009B5-00	2"NPT	2"NPT



Product NO.	Inlet	Outlet
HY001-009B4-00	(Φ50)2"ANSI	F2"BSP
HY001-009B7-00	(Φ50)2"BS4504	2"BSP
HY001-009B9-00	(Φ50)2"BS4504	2"BSP
HY001-049-00	(Φ38)1.5"BS4504	F1.5"BSP



Product NO.	Inlet	Outlet
HY001-011-00	F2.5"NPT	2.5"NH
HY001-011B-00	F2.5"NPT	2.5"BSP



Product NO.	Inlet	Outlet
HY001-012-00	F1.5"NPT	F1.5"NPT



Product NO.	Inlet	Outlet
HY001-012A-00	F1.5"NPT	1.5NH
HY001-012A1-00	F1.5"NPT	1.5"NPT
HY001-012E-00	F1.5"BSP	1.5"NH



Product NO.	Inlet	Outlet
HY001-012B-00 (明度品)	F1.5"NPT	F1.5"NPT
HY001-012C-00	F1.5"NPT	F1.5"NH
HY001-012D-00	F1.5"NPT	F1.5NPT



Product NO.	Inlet	Outlet
HY001-013-00	F1.5"NPT	F1.5"NPT



Product NO.	Inlet	Outlet
HY001-014-00	F2"BSP	2"BSP



Product NO.	Inlet	Outlet
HY001-015-00	F1.5"NPT	1.5"NH
HY001-015A-00	F1.5"NPT	1.5"BSP
HY001-015E-00	F1.5"NPT	F1.5"NPT



Product NO.	Inlet	Outlet
HY001-016-00	F2.5"FBT	2"X2.5"FBT
HY001-016A-00	F2"BSP	2"X2"BSP
HY001-016B-00	F1.5"BSP	2"X1.5"BSP



Product NO.	Inlet	Outlet
HY001-017-00	F2"BSP	F2"BSP
HY001-017A-00	F2"NPT	F2"NPT
HY001-017B-00	F1"BSP	F1"BSP
HY001-017B1-00	F1"NPT	F1"NPT
HY001-017C-00	F1.5"NPT	F1.5"NPT
HY001-017D-00	F3/4"NPT	F3/4"NPT
HY001-017E-00	F1/2"NPT	F1/2"NPT



Product NO.	Inlet	Outlet
HY001-018-00	2.5"BSPT	2.5"BSP
HY001-018A-00	2.5"BSP	2.5"BSP



Product NO.	Inlet	Outlet
HY001-019-00	F1"BSP	F1"BSP



Product NO.	Inlet	Outlet
HY001-019B-00	F1"BSP	1"BSP



Product NO.	Inlet	Outlet
HY001-020-00	F1"BSP	F1"BSP



Product NO.	Inlet	Outlet
HY001-020G-00	F2.5"NPT	2.5"NH



Product NO.	Inlet	Outlet
HY001-020A-00	1"BSP	1"BSP



Product NO.	Inlet	Outlet
HY001-021-00	F1"BSP	1"BSP



Product NO.	Inlet	Outlet
HY001-020A1-00	F1"BSP	F1"BSP



Product NO.	Inlet	Outlet
HY001-021B-00	F1"BSP	1"BSP



Product NO.	Inlet	Outlet
HY001-020B-00	F1"BSP	F1"BSP



Product NO.	Inlet	Outlet
HY001-021C-00	F1"BSP	F1"BSP



Product NO.	Inlet	Outlet
HY001-020C-00	F2"BSP	F2"BSP
HY001-020D-00	F2.5"BSP	F2.5"BSP
HY001-020E-00	F3"BSP	F3"BSP
HY001-020F-00	F4"BSP	F4"BSP



Product NO.	Inlet	Outlet
HY001-021D-00	F1.5"BSP	F1.5"BSP
HY001-021E-00	F2"BSP	F2"BSP



Product NO.	Inlet	Outlet
HY001-022-00	F1 $\frac{3}{4}$ "BSP	1 $\frac{3}{4}$ "BSP



Product NO.	Inlet	Outlet
HY001-027A-00	F2.5"NH	2.5"BS336



Product NO.	Inlet	Outlet
HY001-023-00	UNI70	2X2"BSP



Product NO.	Inlet	Outlet
HY001-027B-00	F1.5"BSP	2.5"BS336



Product NO.	Inlet	Outlet
HY001-024-00	UNI70	3XUNI45



Product NO.	Inlet	Outlet
HY001-027C-00	F2.5"BSP	2.5"BS336



Product NO.	Inlet	Outlet
HY001-025-00	1 $\frac{1}{2}$ "BSP	DN25



Product NO.	Inlet	Outlet
HY001-027D-00	F2.5"BSP	2.5"BS336



Product NO.	Inlet	Outlet
HY001-026-00	F3/4BSP	3/4BSP



Product NO.	Inlet	Outlet
HY001-027E-00	F2"BSP	2.5"BS336



Product NO.	Inlet	Outlet
HY001-027F-00	2.5"BSP	2.5"BS336



Product NO.	Inlet	Outlet
HY001-027G-00	2"BSP	2.5"BS336



Product NO.	Inlet	Outlet
HY001-027H-00	2.5"NPT	2.5"BS336



Product NO.	Inlet	Outlet
HY001-028-00	FUNI45	UNI45



Product NO.	Inlet	Outlet
HY001-029-00	FUNI45	2XUNI45



Product NO.	Inlet	Outlet
HY001-030-00	F4"BSP	2XF2.5"NH
HY001--030A-00	F4"NPT	2XF2.5"NH



Product NO.	Inlet	Outlet
HY001-030A1-00	F4"NPT	2X2.5"BSP



Product NO.	Inlet	Outlet
HY001-030C-00	F2.5NPT	2XF2.5"NH



Product NO.	Inlet	Outlet
HY001-030D-00	F4"NPT	2XF2.5"NH



Product NO.	Inlet	Outlet
HY001-030E-00	F4"NPT	2X2.5"BS336



Product NO.	Inlet	Outlet
HY001-031-00	2"BSP	2"BSP



Product NO.	Inlet	Outlet
HY001-032-00	F2.5"NPT	F2.5"NPT



Product NO.	Inlet	Outlet
HY001-032B-00	F2.5"NPT	F2.5"NH



Product NO.	Inlet	Outlet
HY001-032C-00	F2.5"NPT	2.5"BS336



Product NO.	Inlet	Outlet
HY001-032D-00	F2.5"NPT	2.5"NH



Product NO.	Inlet	Outlet
HY001-034-00	3"BSP	2.5"BS336



Product NO.	Inlet	Outlet
HY001-034B-00	3"BSP	2.5"BS336



Product NO.	Inlet	Outlet
HY001-035-00	1.5"BSP	1.5"BSP



Product NO.	Inlet	Outlet
HY001-039-00	F2.5"BSPT	2.5"BS336



Product NO.	Inlet	Outlet
HY001-039A-00	(Φ65)2.5"BS4504	2.5"BS336



Product NO.	Inlet	Outlet
HY001-039B-00	(Φ65)2"BS4504	2.5"BS336



Product NO.	Inlet	Outlet
HY001-045-00	F1.5"BSP	F1½"BSP



Product NO.	Inlet	Outlet
HY001-041-00	1.5"NPT	Φ38
HY001-041A-00	2"NPT	Φ50
HY001-041B-00	2.5"NPT	Φ65



Product NO.	Inlet	Outlet
HY001-047-00	1.5"BSP	F1.5"BSP



Product NO.	Inlet	Outlet
HY001-042-00	2.5"BSPT	2.5"BS336



Product NO.	Inlet	Outlet
HY001-052-00	F2.5"BSP	2XF1.5"BSP



Product NO.	Inlet	Outlet
HY001-043A-00	F1"BSP	1BSP
HY001-043B-00	F1.5"BSP	1.5BSP



Product NO.	Inlet	Outlet
HY001-044-00	1.5"BSP	Φ38
HY001-044A-00	2"BSP	Φ50
HY001-044B-00	2.5"BSP	Φ65



Product NO.	Inlet	Outlet
HY001-054-00	100mm	2X3"STORZ



Product NO.	Inlet	Outlet
HY002-001-00	F1.5"BSP	Φ15



Product NO.	Inlet	Outlet
HY002-001A-00	F1.5"BSP	Φ9
HY002-001D-00	F1"BSP	Φ8
HY002-001E-00	F1¼"BSP	Φ9



Product NO.	Inlet	Outlet
HY002-001B-00	1.5"BS336	Φ9



Product NO.	Inlet	Outlet
HY002-002-00	F2.5"QLD	Φ16
HY002-002B-00	F2.5"FBT	Φ16
HY002-002D-00	F2.5"NH	Φ16
HY002-002D1-00	F2"NH	Φ13
HY002-002E-00	F2.5"BSP	Φ16



Product NO.	Inlet	Outlet
HY002-002C-00	2.5"BS336	Φ16
HY002-002C2-00	2"BS336	Φ13



Product NO.	Inlet	Outlet
HY002-002F-00	2.5"	Φ16
HY002-002F1-00	2"	Φ13
HY002-002F2-00	1.5"	Φ9



Product NO.	Inlet	Outlet
HY002-002G-00	2.5"STORZ	Φ16
HY002-002G1-00	2"STORZ	Φ13
HY002-002G2-00	1.5"STORZ	Φ9



Product NO.	Inlet	Outlet
HY002-002C3-00	2.5"BS336	Φ16



Product NO.	Inlet	Outlet
HY002-003-00	2.5"QLD	Φ16



Product NO.	Inlet	Outlet
HY002-004-00	2.5"STORZ	Φ16



Product NO.	Inlet	Outlet
HY002-005-00	F1.5"NH	Φ22



Product NO.	Inlet	Outlet
HY002-005A-00	F2.5"NH	Φ29
HY002-005A1-00	F2.5"BSP	Φ29



Product NO.	Inlet	Outlet
HY002-005B-00	F1.5"NH	Φ21.5
HY002-005B1-00	F1.5"BSP	Φ21.5



Product NO.	Inlet	Outlet
HY002-005C-00	F1"BSP	Φ16



Product NO.	Inlet	Outlet
HY002-005D-00	F1.5"NH	Φ25



Product NO.	Inlet	Outlet
HY002-005E-00	F1.5"BSP	Φ33



Product NO.	Inlet	Outlet
HY002-005F-00	F1.5"NH	Φ28.5
HY002-005F1-00	F1.5"BSP	Φ28.5
HY002-005F3-00	M36X2	Φ28.5



Product NO.	Inlet	Outlet
HY002-007A-00	3/4"	Φ6.4
HY002-007A1-00	1/2"	Φ5.4
HY002-007A2-00	1"	Φ7



Product NO.	Inlet	Outlet
HY002-005G-00	F1.5"BSP	Φ24



Product NO.	Inlet	Outlet
HY002-007B-00	3/4"	Φ6.4
HY002-007C-00	3/4"	Φ6.4
HY002-007D-00	1"	Φ6.4



Product NO.	Inlet	Outlet
HY002-006-00	1/2"	Φ11
HY002-006A-00	3/4"	Φ11
HY002-006B-00	1"	Φ11
HY002-006C-00	1 1/4"	Φ11



Product NO.	Inlet	Outlet
HY002-007E-00	3/4"	Φ6.35
HY002-007F-00	1/2"	Φ5.4



Product NO.	Inlet	Outlet
HY002-007-00	3/4"	Φ6.4



Product NO.	Inlet	Outlet
HY002-007H-00	1/2"	Φ5.4



Product NO.	Inlet	Outlet
HY002-008-00	1/2"	Φ5.4
HY002-008A-00	3/4"	Φ6.4
HY002-008B-00	1"	Φ6.4



Product NO.	Inlet	Outlet
HY002-009-00	1/2"	Φ5.4
HY002-009A-00	3/4"	Φ6.4
HY002-009B-00	1"	Φ6.4



Product NO.	Inlet	Outlet
HY002-010-00	1/2"	Φ15.6
HY002-010A-00	3/4"	Φ15.6
HY002-010B-00	1"	Φ15.6



Product NO.	Inlet	Outlet
HY002-011-00	1/2"	Φ11
HY002-011A-00	3/4"	Φ11
HY002-011B-00	1"	Φ11



Product NO.	Inlet	Outlet
HY002-012-00	3/4"	Φ16
HY002-012A-00	1"	Φ16
HY002-012B-00	3/4"	Φ16(PLATED)
HY002-012C-00	1"	Φ16(PLATED)



Product NO.	Inlet	Outlet
HY002-013-00	3/4"	Φ15.6
HY002-013A-00	1"	Φ15.6



Product NO.	Inlet	Outlet
HY002-013B-00	3/4"	Φ15.6
HY002-013C-00	1"	Φ15.6
HY002-013D-00	1/2"	Φ15.6



Product NO.	Inlet	Outlet
HY002-014-00	2.5"BS336	Φ35
HY002-014B-00	2"BS336	Φ25
HY002-014D-00	1.5"BS336	Φ17.5



Product NO.	Inlet	Outlet
HY002-015-00	Φ38	Φ18



Product NO.	Inlet	Outlet
HY002-016-00	2.5"NH	Φ30
HY002-016A-00	2.5"NH	Φ30



Product NO.	Inlet	Outlet
HY002-017-00	F1.5"NH	Φ20.5



Product NO.	Inlet	Outlet
HY002-018-00	F1.5"NH	Φ9



Product NO.	Inlet	Outlet
HY002-018A-00	2.5"NH	Φ16



Product NO.	Inlet	Outlet
HY002-019-00	1/2"	Φ4
HY002-019A-00	3/4"	Φ6
HY002-019B-00	1"	Φ8



Product NO.	Inlet	Outlet
HY002-019C-00	1/2"	Φ4
HY002-019D-00	3/4"	Φ6
HY002-019E-00	1"	Φ8



Product NO.	Inlet	Outlet
HY002-020-00	1/2"	Φ5.4
HY002-020A-00	3/4"	Φ6.4
HY002-020B-00	1"	Φ7



Product NO.	Inlet	Outlet
HY002-020C-00	1/2"	Φ5.4
HY002-020D-00	3/4"	Φ6.4
HY002-020E-00	1"	Φ7



Product NO.	Inlet	Outlet
HY002-020F-00	1/2"	Φ5.4
HY002-020H-00	3/4"	Φ6.4
HY002-020K-00	1"	Φ7



Product NO.	Inlet	Outlet
HY002-025-00	2.5"BS336	Φ13



Product NO.	Inlet	Outlet
HY002-026-00	UNI70	Φ12



Product NO.	Inlet	Outlet
HY002-026A-00	UNI70	Φ16



Product NO.	Inlet	Outlet
HY002-028-00	2"STORZ	Φ12



Product NO.	Inlet	Outlet
HY002-029-00	1.5"STORZ	Φ9
HY002-029A-00	2"STORZ	Φ12



Product NO.	Inlet	Outlet
HY002-030-00	2.5"BS336	Φ12



Product NO.	Inlet	Outlet
HY002-031-00	1.5"BS336	Φ9
HY002-031A-00	2"BS336	Φ10
HY002-031B-00	2.5"BS336	Φ12



Product NO.	Inlet	Outlet
HY002-031C-00	1"	Φ5
HY002-031D-00	3/4"	Φ4



Product NO.	Inlet	Outlet
HY002-032-00	2.5"BS336	Φ12



Product NO.	Inlet	Outlet
HY002-032A-00	2.5"BS336	Φ12



Product NO.	Inlet	Outlet
HY002-032B-00	2"BS336	Φ12



Product NO.	Inlet	Outlet
HY002-032C-00	1.5"BS336	Φ9



Product NO.	Inlet	Outlet
HY002-033-00	F2.5"BSP	Φ12



Product NO.	Inlet	Outlet
HY002-033A-00	UN170	Φ16



Product NO.	Inlet	Outlet
HY002-033B-00	2.5"BSP	Φ12



Product NO.	Inlet	Outlet
HY002-034A-00	3/4"	Φ14.6
HY002-034B-00	1"	Φ14.6



Product NO.	Inlet	Outlet
HY002-035A-00	3/4"	Φ15
HY002-035B-00	1"	Φ15



Product NO.	Inlet	Outlet
HY002-036-00	F1.5"NH	Φ20
HY002-036A-00	F2.5"NH	Φ20
HY002-036B-00	F1.5BSP	Φ20
HY002-036C-00	2BSP	Φ20



Product NO.	Inlet	Outlet
HY002-037-00	1.5STORZ	Φ18.5
HY002-037A-00	1STORZ	Φ18.5



Product NO.	Inlet	Outlet
HY002-039-92A	1 1/4"	Φ18.5



Product NO.	Inlet	Outlet
HY002-039-92B	1"	Φ18.5



Product NO.	Inlet	Outlet
HY002-039-92C	3/4"	Φ18.5



Product NO.	Inlet	Outlet
HY002-039-92D	1"	Φ18.5



Product NO.	Inlet	Outlet
HY002-039-92E	1"	Φ18.5



Product NO.	Inlet	Outlet
HY002-039-92F	3/4"	Φ18.5



Product NO.	Inlet	Outlet
HY002-039-92G	1/2"	Φ18.5



Product NO.	Inlet	Outlet
HY002-039A-92	1 1/4"	Φ18.5



Product NO.	Inlet	Outlet
HY002-039B-92	1"	Φ18.5



Product NO.	Inlet	Outlet
HY002-039B-92A	1"	Φ18.5



Product NO.	Inlet	Outlet
HY002-039B-92B	1"	Φ18.5



Product NO.	Inlet	Outlet
HY002-039B-92C	3/4"	Φ18.5



Product NO.	Inlet	Outlet
HY002-042-00	3/4"	Φ13
HY002-042A-00	1"	Φ13



Product NO.	Inlet	Outlet
HY002-043-00	UNI45	Φ30



Product NO.	Inlet	Outlet
HY002-044-00	3/4"	Φ13
HY002-044A-00	1"	Φ13



Product NO.	Inlet	Outlet
HY002-045-00	2"STORZ	Φ30



Product NO.	Inlet	Outlet
HY002-049-00	2"STORZ	Φ29
HY002-049A-00	2.5"STORZ	Φ29



Product NO.	Inlet	Outlet
HY002-049B-00	2.5"BS336	Φ29



Product NO.	Inlet	Outlet
HY002-051-00	F1.5"BSP	Φ16



Product NO.	Inlet	Outlet
HY002-052A-00	Φ6.5+Φ3	Φ6.5
HY002-052B-00	Φ6.6	Φ6.6
HY002-052C-00	Φ6.5+Φ3	Φ6.5
HY002-052D-00	Φ5+Φ2	Φ5
HY002-052E-00	Φ4+Φ2	Φ4



Product NO.	Inlet
HY002-053-35	4"
HY002-053A-35	3"



Product NO.	Inlet	Outlet
HY002-056-00	2"STORZ	Φ25



Product NO.	Inlet	Outlet
HY002-057-00	2.5"BS336	2.5"BS336



Product NO.	Inlet	Outlet
HY002-059-00	2.5"BS336	Φ30.5



Product NO.	Inlet	Outlet
HY002-059B-00	2.5"BS336	Φ30.5



Product NO.	Inlet	Outlet
HY002-060-00	1.5"NH	1.5"NH



Product NO.	Inlet	Outlet
HY002-062-00	F1"BSP	Φ20



Product NO.	Inlet	Outlet
HY002-065-00	2.5"BS336	Φ30
HY002-065A-00	2"BS336	Φ30
HY002-065B-00	1.5"BS336	Φ20



Product NO.	Inlet	Outlet
HY002-066-00	2.5"	Φ30
HY002-066A-00	2"	Φ30
HY002-066B-00	1.5"	Φ20



Product NO.	Inlet	Outlet
HY002-067-00	F2.5"NH	Φ30
HY002-067A-00	F2"NH	Φ30
HY002-067B-00	F1.5"NH	Φ20



Product NO.	Inlet	Outlet
HY002-068-00	2.5"STORZ	Φ30
HY002-068A-00	2"STORZ	Φ30
HY002-068B-00	1.5"STORZ	Φ20



Product NO.	Specification
HY002-069-00	2.5"
HY002-069A-00	2"
HY002-069B-00	1.5"



Product NO.	Inlet	Outlet
HY003-001-00	1.5"BSP	Φ38



Product NO.	Inlet	Outlet
HY003-001G-00	1"NH	Φ19



Product NO.	Inlet	Outlet
HY003-001A-00	1"BSP	Φ25
HY003-001B-00	1"BSP	Φ19
HY003-001A1-00	1"BSP	Φ25



Product NO.	Inlet	Outlet
HY003-001H-00	1"BSP	Φ25.4



Product NO.	Inlet	Outlet
HY003-001C-00	1"NH	Φ25.4



Product NO.	Inlet	Outlet
HY003-002-00	2.5"QLD	Φ64
HY003-002A-00	2.5"FBT	Φ64



Product NO.	Inlet	Outlet
HY003-001F-00	1"BSP	Φ25
HY003-001F1-00	1"BSP	Φ19



Product NO.	Inlet	Outlet
HY003-002B-00	2.5"NH	Φ64



Product NO.	Inlet	Outlet
HY003-002D-00	2.5"NH	Φ63.5
HY003-002E-00	2.5"NH	Φ51



Product NO.	Inlet	Outlet
HY003-003-00	2.5"FBT	Φ38
HY003-003A-00	2.5"NH	Φ38



Product NO.	Inlet	Outlet
HY003-003B-00	2"BSP	Φ51
HY003-003C-00	1.5"BSP	Φ38



Product NO.	Inlet	Outlet
HY003-004-00	UNI70	Φ70(LIGHT TYPE)



Product NO.	Inlet	Outlet
HY003-004A-00	UNI70	Φ70(HEAVY TYPE)



Product NO.	Inlet	Outlet
HY003-004A1-00	UNI70	2.5"BSP



Product NO.	Inlet	Outlet
HY003-004A2-00	UNI70	F2.5"BSP



Product NO.	Inlet	Outlet
HY003-005-00	UNI45	Φ45(HEAVY TYPE)



Product NO.	Inlet	Outlet
HY003-005A-00	UNI45	Φ45(HEAVY TYPE)



Product NO.	Inlet	Outlet
HY003-005B-00	UNI45	1.5"BSP



Product NO.	Inlet	Outlet
HY003-005C-00	UNI45	F2"BSP



Product NO.	Inlet	Outlet
HY003-006-00	UNI45	Φ45(LIGHT TYPE)



Product NO.	Inlet	Outlet
HY003-007A1-00	2.5"NH	Φ63.5(DOUBLE LAYER)
HY003-007A2-00	2.5"NH	Φ63.5



Product NO.	Inlet	Outlet
HY003-007A3-00	2.5"NH	Φ44.5



Product NO.	Inlet	Outlet
HY003-007A8-00	2.5"NH	Φ63.5



Product NO.	Inlet	Outlet
HY003-007B1-00	1.5"NH	Φ38



Product NO.	Inlet	Outlet
HY003-007B3-00	1.5"NH	Φ38



Product NO.	Inlet	Outlet
HY003-007C-00	2"NH	Φ51



Product NO.	Inlet	Outlet
HY003-008A-00	2.5"NH	Φ63.5



Product NO.	Inlet	Outlet
HY003-008B-00	1.5"NH	Φ38



Product NO.	Inlet	Outlet
HY003-009-00	1.5"STORZ	Φ38
HY003-009A-00	2"STORZ	Φ51
HY003-009B-00	2.5"STORZ	Φ63.5
HY003-009C-00	3"STORZ	Φ75.5



Product NO.	Inlet	Outlet
HY003-011-00	1 3/4" BSP	Φ44.5
HY003-012-00	Φ82X5 吋	Φ63.5



Product NO.	Inlet	Outlet
HY003-013A-00	4"STORZ	Φ100
HY003-013B-00	3"STORZ	Φ75.5
HY003-013C-00	2.5"STORZ	Φ63.5
HY003-013D-00	2"STORZ	Φ51
HY003-013E-00	1.5"STORZ	Φ38
HY003-013F-00	1"STORZ	Φ25.4
HY003-013G-00	3/4"STORZ	Φ19
HY003-013H-00	1 3/4"STORZ	Φ44.5



Product NO.	Inlet
HY003-013A1-00	4"STORZ
HY003-013B1-00	3"STORZ
HY003-013C1-00	2.5"STORZ
HY003-013D1-00	2"STORZ
HY003-013E1-00	1.5"STORZ
HY003-013F1-00	1"STORZ
HY003-013G1-00	3/4"STORZ
HY003-013H1-00	1 3/4"STORZ



Product NO.	Inlet	Outlet
HY003-014A-00	2.5"	Φ63.5
HY003-014C-00	2"	Φ51
HY003-014B-00	1.5"	Φ38
HY003-014D-00	2.5"	Φ38



Product NO.	Inlet	Outlet
HY003-014A1-00	2.5"	F2.5"BSP
HY003-014A2-00	2.5"	2.5"BSP
HY003-014B1-00	1.5"	F2"BSP
HY003-014C1-00	2"	F2"BSP



Product NO.	Inlet	Outlet
HY003-015A-00	4"STORZ	Φ100
HY003-015B-00	3"STORZ	Φ75.5
HY003-015C-00	2.5"STORZ	Φ63.5
HY003-015D-00	2"STORZ	Φ51
HY003-015G-00	1.5"STORZ	Φ38
HY003-015H-00	1"STORZ	Φ25.4
HY003-015K-00	3/4"STORZ	Φ19



Product NO.	Inlet	Outlet
HY003-015E-00	3"STORZ	Φ75.5



Product NO.	Inlet	Outlet
HY003-015A-35A	4"STORZ	F4"BSP
HY003-015B-35A	3"STORZ	F3"BSP
HY003-015C-35A	2.5"STORZ	F2.5"BSP
HY003-015D-35A	2"STORZ	F2"BSP
HY003-022D-35A	1.75"STORZ	F2"BSP
HY003-015G-35A	1.5"STORZ	F1.5"BSP
HY003-015G-35	1.5"STORZ	F1.5"BSP
HY003-015H-35A	1"STORZ	F1"BSP
HY003-015K-35A	3/4"STORZ	F3/4"BSP



Product NO.	Inlet	Outlet
HY003-015F-35	3"STORZ	3"BSP
HY003-015F-35A	3"STORZ	2.5"NH
HY003-015F-35B	3"STORZ	F3"BSP



Product NO.	Inlet
HY003-016-00	3"STORZ
HY003-016A-00	2.5"STORZ
HY003-016B-00	2"STORZ
HY003-016C-00	1 3/4"STORZ
HY003-016D-00	1.5"STORZ
HY003-016E-00	1"STORZ



Product NO.	Inlet	Outlet
HY003-017A-00	2"BS336	Φ51



Product NO.	Inlet	Outlet
HY003-017D1-00	1.5"BS336	Φ38



Product NO.	Inlet	Outlet
HY003-017B-00	2"BS336	Φ51



Product NO.	Inlet	Outlet
HY003-018B-00	2.5"BS336	Φ63.5
HY003-018A-00	2.5"BS336	Φ75



Product NO.	Inlet	Outlet
HY003-017C-00	1.5"BS336	Φ38



Product NO.	Inlet	Outlet
HY003-018B1-00	2.5"BS336	Φ63.5



Product NO.	Inlet	Outlet
HY003-017D-00	1.5"BS336	Φ38



Product NO.	Inlet	Outlet
HY003-018C-00	2.5"BS336	Φ38



Product NO.	Inlet	Outlet
HY003-018-00	2.5"BS336	Φ51



Product NO.	Inlet	Outlet
HY003-018D-00	2.5"BS336	Φ38



Product NO.	Inlet	Outlet
HY003-018D1-00	2.5"BS336	Φ38



Product NO.	Inlet	Outlet
HY003-018E-00	2.5"BS336	Φ63.5
HY003-018F-00	2.5"BS336	Φ51
HY003-018E1-00	2.5"BS336	Φ75



Product NO.	Inlet	Outlet
HY003-018K-75A	2.5"BS336	F2.5"BSP



Product NO.	Inlet	Outlet
HY003-018K1-75A	2.5"BS336	2.5"BSP



Product NO.	Inlet	Outlet
HY003-018K2-75A	2.5"BS336	1.5"BSP



Product NO.	Inlet	Outlet
HY003-019A-00	1.5"	1.5"(Φ38)



Product NO.	Inlet	Outlet
HY003-019B-00	1.5"	1.5"BSP
HY003-019C-00	1.5"	1.5"NPT



Product NO.	Inlet	Outlet
HY003-022B-35	2.5"STORZ	F2"BSP



Product NO.	Inlet	Outlet
HY003-021-00	F1.5"BS336	F1.5"BSP



Product NO.	Inlet	Outlet
HY003-022B-35A	2.5"STORZ	1.5"BSP



Product NO.	Inlet	Outlet
HY003-021A-00	F1.5"BS336	1.5"NPT



Product NO.	Inlet	Outlet
HY003-022C-35	2.5"STORZ	2.5"FBT



Product NO.	Inlet	Outlet
HY003-022A-35	2.5"STORZ	F2.5"BSP



Product NO.	Inlet	Outlet
HY003-022D-35	2.5"STORZ	F2.5"FBT



Product NO.	Inlet	Outlet
HY003-023-35	2"STORZ	F2"BSP



Product NO.	Inlet	Outlet
HY003-025C-00(75)	2.5"	F2.5"BSP
HY003-025A2-00(75)	2"	F2"BSP
HY003-025B2-00(75)	1.5"	F1.5"BSP
HY003-025C2-00(75)	2.5"	F2"BSP



Product NO.	Inlet	Outlet
HY003-023-35B	2"STORZ	2"BSP
HY003-023A-35A	2"STORZ	1.5"BSP
HY003-023C-35A	3"STORZ	3"BSP



Product NO.	Inlet	Outlet
HY003-025A1-00	2"	2"BSP
HY003-025B1-00	1.5"	1.5"BSP
HY003-025C1-00	2.5"	2.5"BSP



Product NO.	Inlet	Outlet
HY003-023B-35	1.5"STORZ	F1.5"BSP
HY003-023B-35A	1.5"STORZ	F1"BSP
HY003-023C-35	3"STORZ	F3"BSP
HY003-023C-35B	3"STORZ	F2.5"BSP
HY003-023D-35	1.75"STORZ	F2"BSP



Product NO.	Inlet	Outlet
HY003-025-00	2.5"	Φ63.5
HY003-025A-00	2"	Φ51
HY003-025B-00	1.5"	Φ38
HY003-025D-00	2.5"	Φ51
HY003-025E-00	2.5"	Φ38
HY003-025F-00	2"	Φ38



Product NO.	Inlet	Outlet
HY003-026-00	2"BS336	2"BSP



Product NO.	Inlet	Outlet
HY004-001-00	F2"BSP	2"BSP



Product NO.	Inlet	Outlet
HY004-002B-35A	F2.5"NH	1.5"NH



Product NO.	Inlet	Outlet
HY004-002A-35A	F2.5"FBT	F2"BSP



Product NO.	Inlet	Outlet
HY004-002C-35	F2.5"FBT	3/4"BSP



Product NO.	Inlet	Outlet
HY004-002A-35C	F2.5"FBT	1.5"BSP



Product NO.	Inlet
HY004-002B-89	2.5"NH
HY004-002C-89	2.5"BSP
HY004-027-89	1.5"NH
HY004-027A-89	1.5"BSP
HY004-027B-89	2"BSP
HY004-027C-89	2"NH



Product NO.	Inlet	Outlet
HY004-002B-35	F2.5"NH	1.5"NH



Product NO.	Inlet	Outlet
HY004-003A-35	2.5"NH	2"NPT



Product NO.	Inlet	Outlet
HY004-003A-35A	F2.5"BSPT	2.5"NPT
HY004-003A-35B	2.5"NH	2.5"NPT
HY004-003A-35C	2.5"NH	F2"BSP
HY004-003A-35D	2"NH	F2"BSP



Product NO.	Inlet	Outlet
HY004-003C-35	1.5"NH	1.5"NPT



Product NO.	Inlet	Outlet
HY004-003E-35	M56X4	1.5"BSP



Product NO.	Inlet	Outlet
HY004-003E-35A	M56X4	2"BSP



Product NO.	Inlet	Outlet
HY004-007B3-35	F1.5"NH	F1.5"BSPT
HY004-007B4-35	F1.5"NH	1.5"NPT
HY004-007B5-35	F1.5"NH	1"NPT
HY004-007B6-35	F1.5"BSPT	1"NPT
HY004-007B8-35	F1.5"NH	1"BSPT
HY004-007B9-35	F1.5"NH	1"NH



Product NO.	Inlet	Outlet
HY004-010-75	2.5"NPT	2.5"NH



Product NO.	Inlet	Outlet
HY004-010-75B	1.5"NPT	1.5"NH



Product NO.	Inlet	Outlet
HY004-010-75D	1.5"NPT	1.5"NH



Product NO.	Specification
HY004-011-89	2.5"QLD



Product NO.	Specification
HY004-008-78	1.5"~2.5"



Product NO.	Specification
HY004-008A-78	2.5"



HY004-012-78



HY004-012A-78



HY004-014-78



Product NO.	Specification
HY004-015-78	4"X5"



Product NO.	Specification
HY004-015A-78	4"X5"



Product NO.	Specification
HY004-016-78	2"X3"



Product NO.	Specification
HY004-017-78	2"X3"



Product NO.	Specification
HY004-017A-78	1.5"X2"X3"



HY004-019-78



Product NO.	Specification
HY004-025-78	2.5"



Product NO.	Specification
HY004-025A-78	2"

C2C Fire Fighting Equipment and Fittings



Product NO.	Specification
HY004-029-78	1.5"



Product NO.	Specification
HY004-029A-78	2"



HY004-030-78



HY004-030A-78



HY004-034-78



HY004-035-78



HY004-036-78



HY004-037-78



HY004-038-78



HY004-039-78



Product NO.	Inlet	Outlet
HY004-020-35	M85X6	M85X6
HY004-020-35A	M85X6	2.5"BSP
HY004-020-35B	2.5"NH	2.5"BSP



Product NO.	Inlet
HY004-020-89	M85X6



Product NO.	Inlet
HY004-020A-89	M85X6



Product NO.	Inlet
HY004-021-89	M56X4



Product NO.	Inlet
HY004-022-89	M56X4



Product NO.	Inlet
HY004-023-89A	1.5"BS336
HY004-023-89B	2"BS336
HY004-023-89C	2.5"BS336



Product NO.	Inlet
HY004-023A-00	F2.5"BS336



Product NO.	Inlet	Outlet
HY004-027-35A	2.5"BS336	1.5"BSPT



Product NO.	Inlet	Outlet
HY004-027-35B	2.5"BS336	F2"BSPT



Product NO.	Inlet	Outlet
HY004-027-35C	2.5"BS336	F2"BSPT



Product NO.	Inlet	Outlet
HY004-027-35C1	2.5"BS336	F2"BSPT



Product NO.	Inlet	Outlet
HY004-027-35D	2.5"BS336	F2.5"BSPT
HY004-027A-35A	2"BS336	F2"BSPT



Product NO.	Inlet	Outlet
HY004-027-35D1	2.5"BS336	2.5"BSP



Product NO.	Inlet	Outlet
HY005-001-00	1"	1"
HY005-001A-00	1"	3/4"
HY005-001B-00	3/4"	3/4"



Product NO.	Inlet	Outlet
HY004-027-35D3	2.5"BS336	F2.5"BSP



Product NO.	Inlet	Outlet
HY005-002-00	1"	1"
HY005-002A-00	1"	3/4"
HY005-002B-00	3/4"	3/4"



Product NO.	Inlet	Outlet
HY005-003-00	1"	1"
HY005-003A-00	1"	3/4"
HY005-003B-00	3/4"	3/4"



Product NO.	Inlet	Outlet
HY004-027-35G	2.5"BS336	2.5"NH
HY004-027-35E	1.5"BS336	1.5"BSP
HY004-027-35F	2.5"BS336	2"BSP
HY004-027A-35	2"BS336	2"BSP



Product NO.	Inlet	Outlet
HY005-004-00	1"	1"
HY005-004A-00	1"	3/4"
HY005-004B-00	3/4"	3/4"



Product NO.	Inlet	Outlet
HY005-005-00	3/4"	3/4"



Product NO.	Inlet	Outlet
HY005-006-00	1"	1"
HY005-006A-00	1"	3/4"
HY005-006B-00	3/4"	3/4"



Product NO.	Inlet	Outlet
HY005-007-00	1"	1"
HY005-007A-00	1"	3/4"
HY005-007B-00	3/4"	3/4"



Product NO.	Inlet	Outlet
HY005-010-00	1"	1"
HY005-010A-00	1"	3/4"
HY005-010B-00	3/4"	3/4"



Product NO.	Inlet	Outlet
HY006-001-00	3/4"	45m 30m 25m 20m
	1"	45m 30m 25m 20m



Product NO.	Inlet	Outlet
HY006-002-00	3/4"	45m 30m 25m 20m
	1"	45m 30m 25m 20m



Product NO.	Inlet	Outlet
HY006-003D-00	3/4"	45m 30m 25m 20m
	1"	45m 30m 25m 20m



Product NO.	Inlet	Outlet
HY006-003E-00	1"	45m 30m 25m 20m



Product NO.	Inlet	Outlet
HY006-003F-00	3/4"	45m 30m 25m 20m
	1"	45m 30m 25m 20m



Product NO.	Specification
HY006-007-00	350X700X250



Product NO.	Specification
HY006-004-00	800X800X280



Product NO.	Specification
HY006-008-00	700X700X250



Product NO.	Specification
HY006-005-00	1160X800X280



Product NO.	Specification
HY006-009-00	1040X760X260



Product NO.	Specification
HY006-006-00	800X800X280



Product NO.	Specification
HY006-011-00	440X340X140



Product NO.	Specification
HY006-012-00	600X600X300



Product NO.	Specification
HY006-018	670X670X300



Product NO.	Specification
HY006-015	670X470X300



Product NO.	Specification
HY006-019	800X700X250



Product NO.	Specification
HY006-016	395X595X295



Product NO.	Specification
HY006-020	600X700X250



Product NO.	Specification
HY006-017	350X700X250



Product NO.	Specification
HY006-021	750X750X310



Product NO.	Specification
HY006-022	600X700X250



Product NO.	Specification
HY006-023	600X600X255



Product NO.	Specification
HY006-024	600X600X255



Product NO.	Specification
HY006-025	700X700X255



Product NO.	Specification
HY006-026	825X825X255



Product NO.	Specification
HY006-028	700X800X255



Product NO.	Specification
HY006-029	670X670X300



Product NO.	Specification
HY007-001-00	1.5"



Product NO.	Specification
HY007-001A-00	2.5"



Product NO.	Specification
HY007-001B	2.5"



Product NO.	Specification
HY007-002	1"



Product NO.	Specification
HY007-002B	2.5"



Product NO.	Specification
HY007-004	1"



Product NO.	Specification
HY007-005	1.5"



Product NO.	Inlet	Outlet
HY008-001-00	2X2.5"BS336	100mm



Product NO.	Inlet	Outlet
HY008-002-00	4X2.5"BS336	150mm



Product NO.	Inlet	Outlet
HY008-003-00	2.5"BS336	3"BSP



Product NO.	Inlet	Outlet
HY008-004-00	2X2.5"BS336	100mm



Product NO.	Inlet	Outlet
HY008-005-00	2X2.5"BS336	100mm



Product NO.	Inlet	Outlet
HY010-001A-00	100mm	2X2.5"BS336



Product NO.	Inlet	Outlet
HY009-001-00	2.5"	2"STORZ



Product NO.	Inlet	Outlet
HY010-002-00	2.5"	2X2.5"BS336



Product NO.	Inlet	Outlet
HY009-001A-00	2.5"	2.5"STORZ



Product NO.	Inlet	Outlet
HY010-002A-00	2.5"	2.5"BS336



Product NO.	Inlet	Outlet
HY009-002-00	2.5"	2.5"BS336



Product NO.	Inlet	Outlet
HY010-003A-00	150mm	2X2.5"BS336+4"BSRT



Product NO.	Inlet	Outlet
HY010-004-00	100mm	2XΦ65mm



Product NO.	Inlet	Outlet
HY010-006-00	100mm	2X2.5"BSP+4"BSP



Product NO.	Inlet	Outlet
HY010-007-00	150mm	2X2.5"BS336+4"BSP



Product NO.	Inlet	Outlet
HY010-011-00	3"	2X2"STORZ



HY012系列



HY014系列