



# ERC

## Emergency Release Couplings

from the global leader



### • ERC Couplings

Breakstuds are replaced by a collar release mechanism

This arrangement is typically used for: - Loading Arm or Hose assemblies, where in the event of an activation stress onto the arm or hose is minimised.

The collar is released via a cable, pneumatic or hydraulic system, which activates at a predetermined point before over extension of the arm or hose.

Klaw ERC Couplings are suitable for a vast range of applications that include the following release options:

- CABLE RELEASE
- HYDRAULIC RELEASE
- DUAL RELEASE

### Available Control Systems:

- ELECTRIC HPU
- AIR DRIVEN HPU
- MANUAL HYDRAULIC PUMP



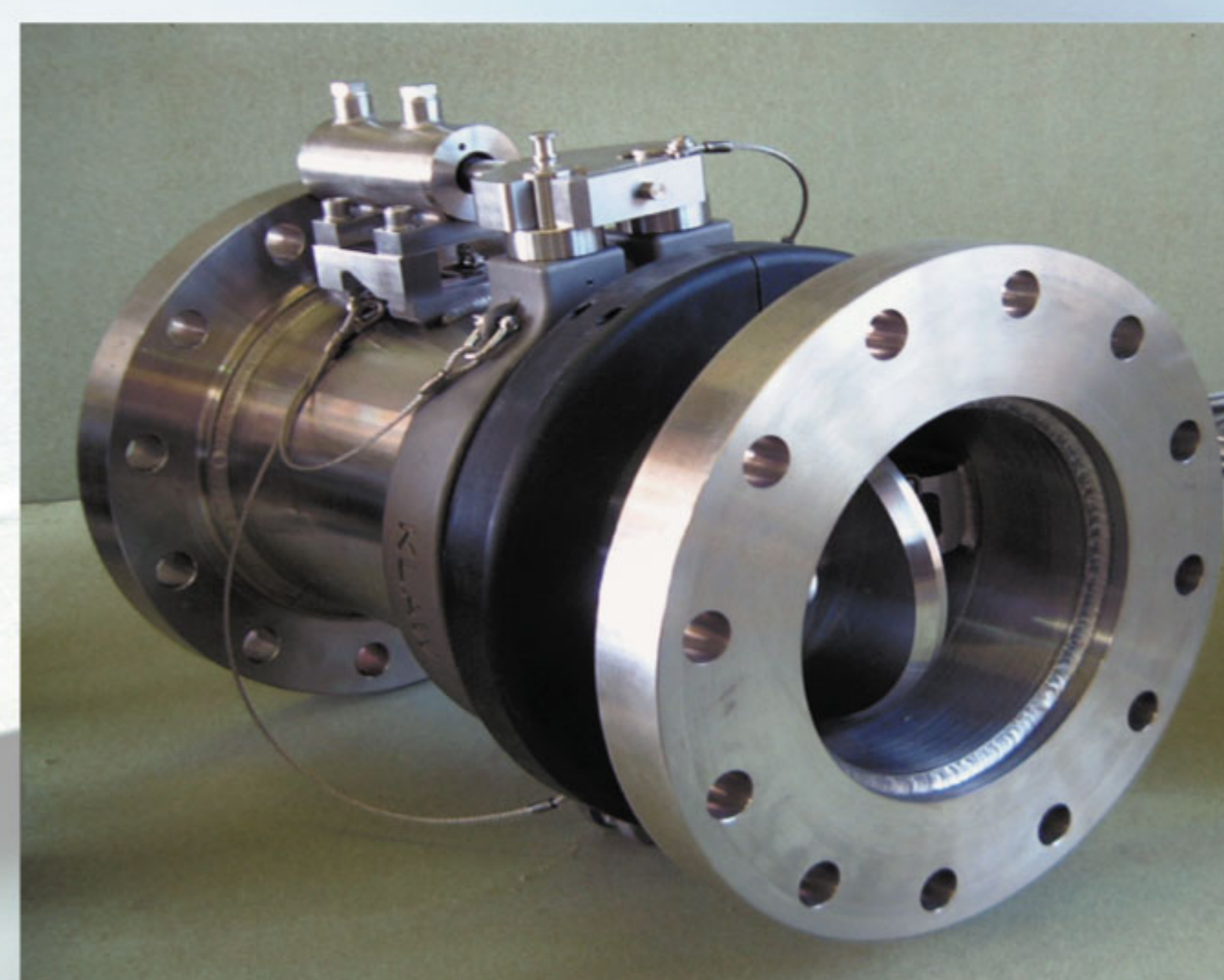
2" NB Truck Loading Arm



8" NB on LNG Ship to Ship Transfer



5" NB ERC for Supply Vessel



8" NB ERC for Phosphoric Acid

### • Technical Specifications

#### Sizes:

From 1" through to 12"

#### Materials of Construction

stainless steel, carbon steel, aluminium. With a comprehensive choice of construction materials available, a very diverse range of media, temperature and pressure can be accommodated.

#### Pressure Ratings

Standard up to 4"	= 40BAR
Standard 5"	= 27BAR
Standard 6"	= 23BAR
Standard 8"	= 17BAR
Standard 10"	= 14BAR
Standard 12"	= 10BAR

#### End Connections

Threaded Male or Female, Tapered or Parallel, Flanged, Weld Prepared Ends. Non standard configurations also available.

#### Activation

Activation force can be varied to suit any particular application.

#### Typical Media

- LNG
- LPG
- FUELS
- CHEMICALS

## The SAFE Solution for you and the Environment

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**Assentech**  
Limited

The Experts in Tank Storage and Process Safety

[www.assentech.co.uk](http://www.assentech.co.uk)

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### KLAW ERC Couplings

KLAW Couplings have exceptional design characteristics with minimal flow restriction with very low pressure drops.

Our compact and lightweight designs improve handling and reduce risk in the event of an activation. Our unique design also eliminates the risk of partial break, which significantly improves safety.

KLAW has supplied many units of this type and has extensive experience of applications. This experience has proven essential in providing customer satisfaction, with our technical support and after sales service you can be sure of a secure future with our products.

#### ERC Couplings for Hose Applications



ERC Couplings for Loading Arm Applications

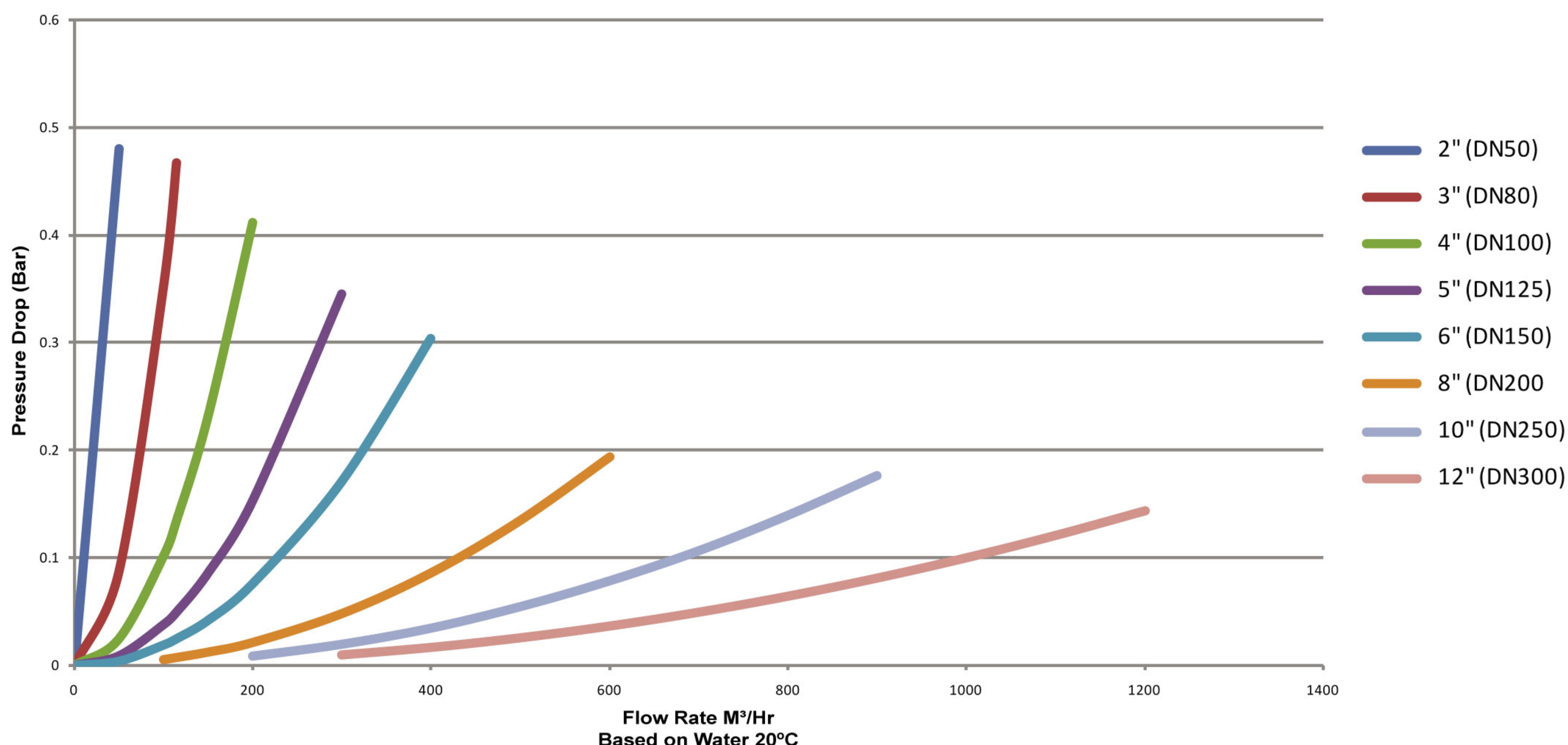


Training / Commissioning



Supply Vessel Manifold

#### FLOW RATE CHARACTERISTICS



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