

## PETAL VALVE TYPE - TECHNICAL INFORMATION

Completely self contained - no outside power source required.

- Variable closure speed gives anti-shock shut down.
- Dynamic parting loads can be varied.
- Activation due to linear overload and/or extreme internal pressure, providing surge protection.
- Simple petal mechanism - no axles, shafts, hubs or bearings to seize.
- Sealed internals until an activation occurs.
- Low weight - compact design.
- Fits between standard flanges at any point of hose assembly.
- Available 3" to 24" nominal bore.
- Available to suit customers' exact material specifications.
- Compatible with all hydrocarbons including liquid gases.
- Activation by internal pressure can be prevented - allowing breakaway only on dynamic loads, if required.
- Re-usable.
- **Zero head loss.**
- Piggable.
- Fail safe.
- Available as:
  - a. Safety breakaway with single or double, controlled or instantaneous, anti-pollution petal valve closure.
  - b. Safety breakaway with anti-pollution petal valve closure and internal pressure stabilisation.
  - c. Safety breakaway with internal pressure stabilisation only.

Careful consideration has been given to compatibility of materials with regard to chemical, mechanical and electrolytic reaction in adverse conditions. This, together with the absence of moving parts in its natural in line position, ensures that the Marine Breakaway Coupling offers long periods of maintenance-free operation, as proven during several decades of successful field experience.

