

> CAMSEC®



4" A.P.I.
PEROLO'S
COUPLER

PEROLO's 4" A.P.I CAMSEC® COUPLER



A ccording to API RP 1004, PEROLO's coupler complies with the European directive n° 94/63 CE dated 20/12/1994.

> Advantages

CAMSEC® coupler combined with CAMSEC® adaptor, allows bottom loading of tanker vehicles handling hydrocarbons or derivatives.

Based upon the long experience of international users, the range of PEROLO's CAMSEC® coupler is presently the most efficient for bottom loading :

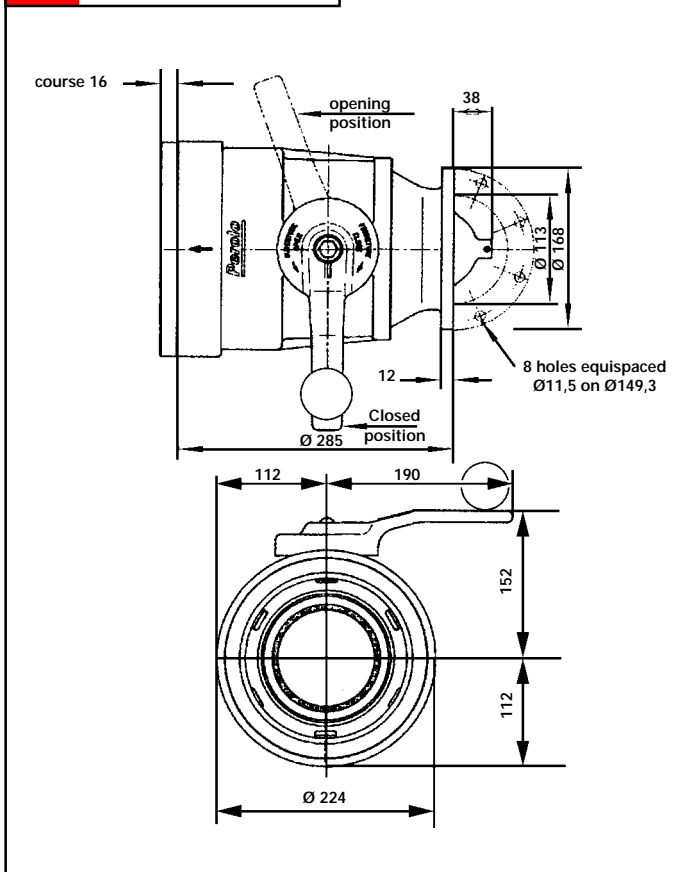
- > ERGONOMIC CONCEPTION,
- > EASY HANDLING,
- > SAFETY,
- > DRY DISCONNECTION WITHOUT SPILLAGE,
- > HIGH PRESSURE TIGHTNESS,
- > LOW PRESSURE DROP,
- > MINIMUM OVERALL DIMENSIONS & WEIGHT,
- > EASY & LOW COST MAINTENANCE.



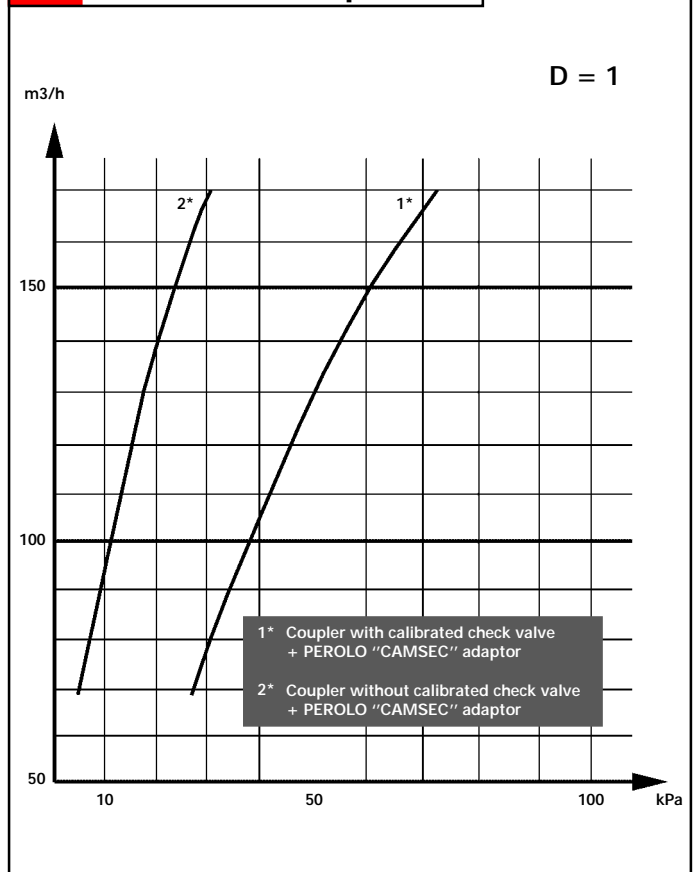
> Description

- Calibrated check valve with hydrodynamic profile, fitted with decompression valve.
- Body sleeve directly moved by the poppet opening/shut off handle.
- Tightness ring guided and pressed into the adaptor face by means of 8 independent springs.
- Special tightness "T" seal designed to withstand the flushing & connection dynamic actions.
- 5 locking lugs and 1 interlock lug built to secure disconnection and safety use.
- Reinforced shaft and bent link.

> Dimensions



> Pressure drop curve



> Characteristics

- Nominal diameter : 4" (ND 100),
- Max. working pressure : 1 MPa,
- Test pressure : 1,5 Mpa,
- Check valve set up : 7 kPa,
- Decompression set up : 0,5 kPa,
- Capacity : < 2,3 l,
- Connection : 4" TTMA flange

> Construction

- Body, body sleeve, calibrated check valve : aluminium alloy.
- Connecting area : hard anodized,
- Other parts : stainless steel or treated steel,
- Seals : VITON®

> Connection into PEROLO's CAMSEC® adaptor

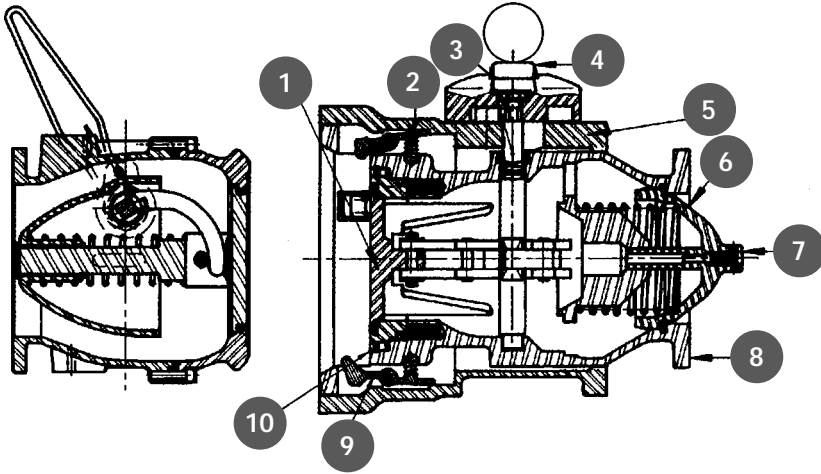
- See scheme last page.

> Options & accessories

- OPEN/CLOSED position inductive switch intrinsically safe.

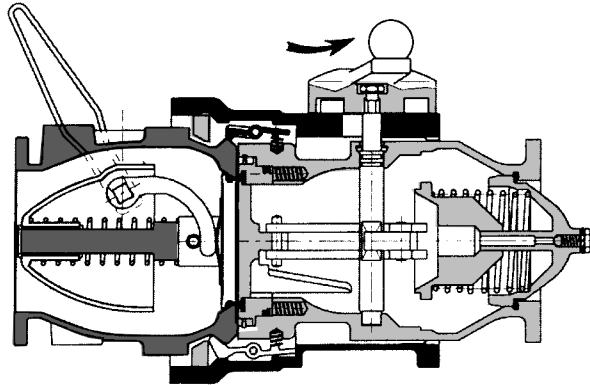
> Range of models

Description	Weight daN	Code
4" API CAMSEC® coupler with calibrated check valve	11,7	14 28 38 00 00
4" API CAMSEC® coupler without calibrated check valve	10,4	14 28 39 00 00

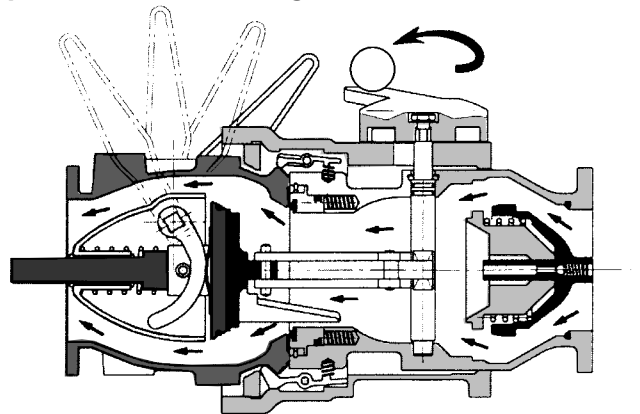


Item	Description
1	Poppet
2	Interlock plug
3	Shaft
4	Opening handle
5	Body sleeve
6	Calibrated check valve (shown in closed position)
7	Decompression check valve
8	TTMA flanged body
9	Locking lug
10	Tightness ring with "T" seal

**Step 1 > Manual locking of the coupler on adaptor
(body sleeve & tightness ring forward moving)**



**Step 2 > Manual opening of the coupler
(Poppet forward moving)**



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