Castel Kijkglazen

Sinds 1990 is Euro-Cold gevestigd aan de Augsburgstraat 29 te Rotterdam Noord-West. Vanuit dit industrieterrein naast de rijksweg A13 leveren wij als groothandel materialen ten bate van de koeltechniek aan onze afnemers in binnen- en buitenland. Als officieel dealer van diverse merken kunnen wij u 'op maat' bedienen met de door u gewenste artikelen.

Kijk voor meer informatie op www.eurocold.nl of bel ons op 010 - 23 80 540

Gerenommeerde merken

Ruime voorraad

Specialisatie

Zakelijke partner

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Applications

The indicators, shown in this leaflet, are classified "Pressure accessories" in the sense of the Pressure Equipment Directive 97/23/EC, Article 1, Section 2.1.4 and are subject of Article 3, Section 1.3 of the same Directive. They are designed for installation on commercial refrigerating systems and on civil and industrial conditioning plants, which use the refrigerant fluid R744.

Liquid/moisture indicators, introduced by Castel for CO_2 systems, are the following types.

- Indicators series 3940EL with PS = 60 bar, copper connections equipped, for subcritical systems.
- Indicators series 3740E with PS = 80 bar, copper connections equipped, for trans-critical systems, low pressure side and medium pressure side.
- Indicators 3747E with PS = 120 bar, reinforced copper connections (K65) equipped, for trans-critical systems, high pressure side.
- Indicators 3748E with PS = 120 bar, stainless steel connections equipped, for trans-critical systems, high pressure side.

Operation

The moisture/liquid indicators consist of a sensitive element as a ring, which changes color passing from green to yellow according to the percentage of moisture in the system.
The data of moisture content, corresponding to "green" color, can be considered admissible for the proper working of the system. When the sensitive element from green fade to yellow, "green Chartreuse", working conditions of the system could become difficult. When the sensitive element becomes "yellow", it's time to substitute the dehydrator filter.

Construction

Indicators series 3940EL are manufactured in a total hermetic construction. The glass "lens", with its proper gasket, is housed into the brass body and is fixed in this seat with an edge calking operation.

The main parts are made with the following materials:

- Hot forged brass EN 12420 – CW 617N for body.
- Copper tube EN 12735-1 – Cu-DHP for solder connections.
- Glass for lens.
- PTFE for outlet seal gaskets.

Indicators series 3740E, 3747E, 3748E are manufactured with the glass "lens" directly fused onto a steel metallic ring, with proper surface protection. This metallic ring, screwed on the indicator body, is equipped with a proper ethylene-propylene gasket.

The other main parts of these three series are made with the following materials:

- Hot forged brass EN12420 – CW 617N for body.
- Copper tube EN12735-1–Cu-DHP for connections of series 3740E.
- Copper tube EN12735-1–CuFe2P (K65) for connections of series 3747E.
- Stainless steel tube AISI 304 for connections of series 3748E.

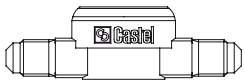
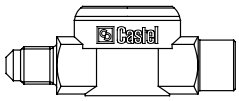
Installation

At the start-up the color of the sensitive element may be yellow, due to exposure to air humidity and to moisture in the circuit. When the moisture of the refrigerant is brought back to acceptable levels with the dehydrator, the indicator color is once again green. This is evidence that equilibrium has been re-established. In case of persisting yellow, measures have to be taken to eliminate moisture. Only when the sensitive element comes back to green, there is evidence that adopted measures were effective. About 12 hours of system operation are required to achieve equilibrium. However, the moisture indication is given normally when the plant is in function and the fluid is flowing.

General characteristics

	Catalogue Number	Connections		PED Directive			
		ODS		TS [°C]		PS [bar]	Risk Category
		Ø [in.]	Ø [mm]	min.	max.		
SERIES 3940EL	3940EL/M6	–	6	-40	+120	60	Art. 3.3
	3940EL/2	1/4"	–				
	3940EL/3	3/8"	–				
	3940EL/M10	–	10				
	3940EL/M12	–	12				
	3940EL/4	1/2"	–				
	3940EL/5	5/8"	16				
	3940EL/M18	–	18				
	3940EL/6	3/4"	–				
	3940EL/7	7/8"	22				
	3940EL/M28	–	28				
	3940EL/9	1.1/8"	–				
SERIES 3740E	3740E/M6	–	6	-40	+120	80	Art. 3.3
	3740E/2	1/4"	–				
	3740E/3	3/8"	–				
	3740E/M10	–	10				
	3740E/M12	–	12				
	3740E/4	1/2"	–				
	3740E/5	5/8"	16				
	3740E/M18	–	18				
	3740E/6	3/4"	–				
	3740E/7	7/8"	22				
	3740E/M28	–	28				
	3740E/9	1.1/8"	–				
SERIES 3747E	3747E/3	3/8"	–	-40	+120	120	Art. 3.3
	3747E/4	1/2"	–				
	3747E/5	5/8"	16				
	3747E/6	3/4"	–				
	3747E/7	7/8"	22				
	3747E/M28	–	28				
	3747E/9	1.1/8"	–				
SERIES 3748E	3748E/M6	–	6	-40	+120	120	Art. 3.3
	3748E/M10	–	10				
	3748E/M12	–	12				
	3748E/M16	5/8"	16				
	3748E/M18	–	18				
	3748E/M22	7/8"	22				
	3748E/M28	–	28				

INDICATORI DI UMIDITÀ - OMOLOGATI DA UNDERWRITERS LABORATORIES INC.
MOISTURE INDICATORS - APPROVED BY UNDERWRITERS LABORATORIES INC.
VOYANT LIQUIDE AVEC INDICATEURS D' HUMIDITE - HOMOLOGUÉS PAR UNDERWRITERS LABORATORIES INC.
FLÜSSIGKEITSINDIKATOREN - ZUGELASSEN VON UNDERWRITERS LABORATORIES INC.

Disegno Drawing Dessin Zeichnung	N° catalogo Part number N° catalogue Katalog Nr.	Attacchi Connections Raccords Anschlüsse			PS [bar]	TS [°C]		Confezione n° pz Package pcs Emballage Verpackung
		SAE Flare	ODS					
			Ø [in.]	Ø [mm]		min	max	
ATTACCHI SAE FLARE MASCHIO - MASCHIO / SAE FLARE MALE - MALE CONNECTIONS / RACCORDS SAE FLARE MÂLE - MÂLE / BÖRDELANSCHLÜSSE AUSSEN - AUSSEN								
	3910/22	1/4"	-	-	45 (1)	-40	+120	90
	3910/33	3/8"						
	3910/44	1/2"						
	3910/55	5/8"						
	3910/66	3/4"						
ATTACCHI SAE FLARE MASCHIO - FEMMINA / SAE FLARE MALE - FEMALE CONNECTIONS / RACCORDS SAE FLARE MÂLE - FEMELLE / BÖRDELANSCHLÜSSE INNEN - AUSSEN								
	3950/22	1/4"	-	-	45 (1)	-40	+120	90
	3950/33	3/8"						90
	3950/44	1/2"						90
	3950/55	5/8"						90
	3950/66	3/4"						24
ATTACCHI DI RAME A SALDARE / COPPER BRAZE CONNECTIONS / RACCORDS A SOUDER EN CUIVRE / KUPFER LÖTANSCHLÜSSE								
	3940/2	-	1/4"	-	45 (1)	-40	+120	42
	3940/3		3/8"	-				42
	3940/M10		-	10				42
	3940/M12		-	12				42
	3940/4		1/2"	-				42
	3940/5		5/8"	16				42
	3940/M18		-	18				42
	3940/6		3/4"	-				42
	3940/7		7/8"	22				42
	3940/9		1.1/8"	-				11

Note:
(1): MWP = 500 psi in conformità a omologazione UL
(1): MWP = 500 psi according to UL approval
(1): MWP = 500 psi conformément à homologation UL
(1): MWP = 500 psi in Übereinstimmung zur UL-Zulassung

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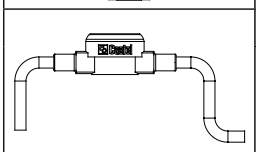
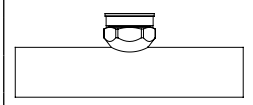
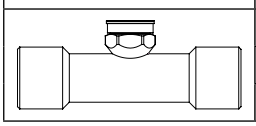
INDICATORI DI LIQUIDO E INDICATORI D'UMIDITÀ
LIQUID AND MOISTURE INDICATORS
VOYANT LIQUIDE ET INDICATEURS D' HUMIDITE
FLUSSIGKEITSSCHAUGLAS UND FLÜSSIGKEITSINDIKATOREN

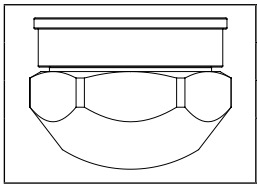
NEW 2016

Disegno Drawing Dessin Zeichnung	N° catalogo Part number N° catalogue Katalog Nr.	Attacchi Connections Raccords Anschlüsse							PS [bar]	TS [°C]		Confezione n° pz Package pcs Emballage Verpackung
		ODS		ODM		Per tubo For pipe Pour tuyau Für rohr						
		Ø [in.]	Ø [mm]	Ø [in.]	Ø [mm]	Ø [in.]	Ø [mm]	Foro Hole Orifice Loch Ø [mm]		min	max	

ATTACCHI DI RAME A SALDARE / COPPER BRAZE CONNECTIONS / RACCORDS A SOUDER EN CUIVRE / KUPFER LÖTANSCHLÜSSE

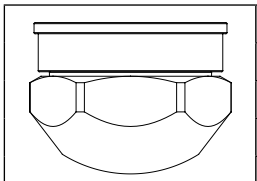
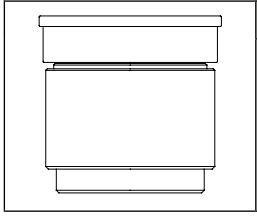
	3940/X01	-	-	-	6	-	-	-	45	-40	+120	120
	3940/X02	-	-	-	6	-	-	-	45	-40	+120	48
	3770/M28	-	-	-	28	-	-	-	45	-30	+110	17
	3770/11			1.3/8"	35							
	3770/13			1.5/8"	-							17
	3770/M42			-	42							
	3771/11	1.3/8″	35	-	-	-	-	-	45	-30	+110	17
	3771/M42	-	42	-	-	-	-	-	45	-30	+110	
	3771/17	2.1/8"	-	-	-	-	-	-	45	-30	+110	15

A SELLA CON INDICATORE DI LIVELLO, PER LINEA DELL'OLIO / SADDLE TYPE WITH LEVEL INDICATOR, FOR OIL CONTROL SYSTEM / TYPE SELLE AVEC INDICATEUR DE NIVEAU, POUR LE SYSTÈME DE CONTRÔLE DE L'HUILE / SATTELTYP MIT FÜLLSTANDSANZEIGE, ÖLKONTROLLSYSTEM

	3680/7 (1) N	-	-	-	-	7/8"	22	-	45	-40	+150	225
	3680/9 (1) N					1.1/8"	28					
	3680/11 (1) N					1.3/8"	35					

(1) Non impiegare con R22 , oli minerali e alchilbezenici
(1) No use with R22 , mineral and alchylbezene oils
(1) Incompatible avec R22 , Huiles minérales alkylbenzènes
(1) Nicht mit R22 verwendbar , Mineralölen und Alkylbenzol

A SELLA / SADDLE TYPE / EMBASE À BRASER / SATTEL TYP

	3780/5	-	-	-	-	5/8"	16	-	45	-30	+110	225
	3780/M18					-	18					
	3780/7					7/8"	22					
	3780/9					1.1/8"	28					
	3780/11					1.3/8"	35					
	3781/M28	-	-	-	-	-	-	28	45	-30	+110	255

euro-cold bv

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Gerenommeerde merken

Euro-Cold heeft een ruim assortiment aan producten voor de koeltechniek. Wij leveren uitsluitend gerenommeerde merken waaronder: GEA-Bock, REFFLEX, Castel, Frigomec, Johnson Controls, Onda, Doucette en GeAn-Bock aggregaten met EC ventilatoren.

Ruime voorraad

Door inkoop van de juiste hoeveelheden en een flink magazijn kunnen wij ruime voorraden houden. Hierdoor blijven de prijzen uiterst concurrerend en is het door u gewenste artikel vrijwel altijd direct te leveren.

Specialisatie

Euro-Cold is gespecialiseerd in het vinden van de juiste technische oplossingen.
Door de jarenlange ervaring op het gebied van de koeltechniek en de nauwe samenwerking met de diverse fabrikanten kunnen wij een stuk maatwerk leveren dat uniek is binnen onze branche.

Zakelijke partner

Dankzij meer dan 25 jaar ervaring en een uiterst realistische visie heeft u in Euro-Cold een zakelijke partner met toekomst. Zaken doen is immers meer dan het ruilen van een doos met inhoud tegen geld. Het leveren van kwaliteit in alle opzichten, kunt u niet op toeval laten aankomen.

www.eurocold.nl