

## Desurriscaldatori di calore gas refrigerano-acqua Desuperheaters for refrigerants with water Rohrbündel-Kältemittel-Enthitzer-WRG

Serie **DR**



### Caratteristiche tecniche:

- 11 modelli standard in acciaio al carbonio con tubi di scambio termico in rame strutturati ad alta efficienza
- diaframmi interni ottimizzati per massimizzare lo scambio e ridurre la perdita di carico lato gas
- dimensioni di ingombro ridotte
- pressione di lavoro lato acqua 10 bar
- circuito acqua ispezionabile a 2, 4, 8 passi
- disponibile in versioni con materiali diversi: CuNi, inox, titanio, acciaio al carbonio
- omologazioni TÜV, ISPELS, RINA, PED e altre su richiesta
- previsti per funzionare con HFC, HCFC, NH<sub>3</sub>

### Technical features:

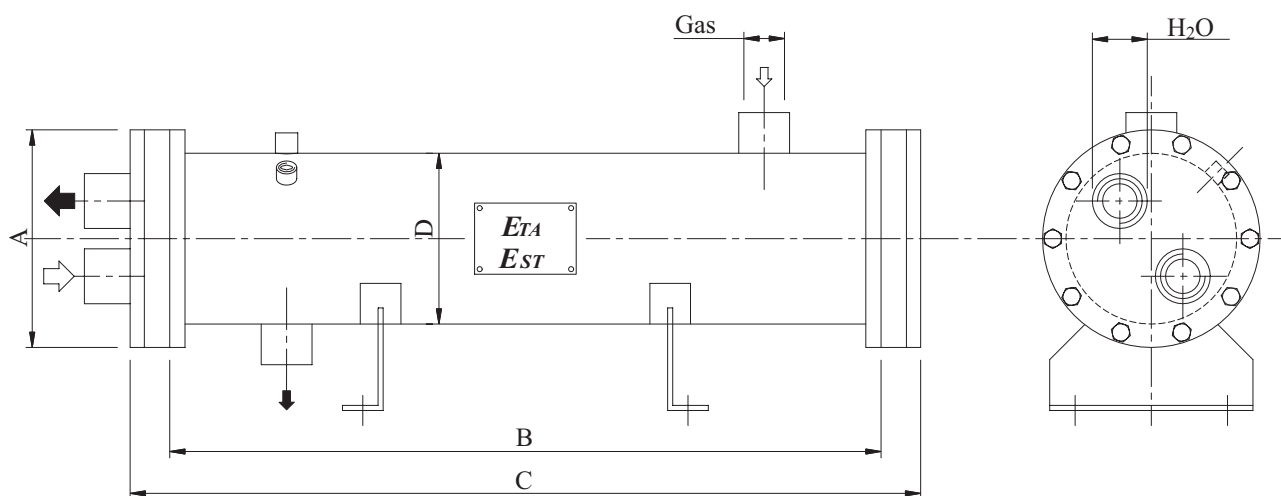
- the standard range is made out of shells in carbon steel and copper tube specially design for very high efficiencies
- internal baffles specially designed in number and position in order to optimize the heat exchange with the minimum pressure drop on refrigerant side
- reduced dimensions
- 10 bar working pressure on water side
- water circuits at 2, 4 or 8 passes
- both headers are removable for an easier maintenance and cleaning
- special executions available in CuNi, stainless steel, titanium, carbon steel.
- approved by ISPASL, TUV, RINA, PED. Other approvals on request
- designed with refrigerants HFC, HCFC, NH<sub>3</sub>

### Tech. Merkmale und Vorteile:

- 11 Modelle mit hochleistung Cu-Kernrohre
- Optimierte Gasdurchflussumlenkblenden
- Kompakte Ausführung
- Berechnungsdruck Mediumseite 10 bar
- Die zwei Deckel wasserseitig sind abnehmbar für eine einfache Wartung
- Auf Anfrage Version aus Kohlenstoffstahl, Edelstahl, CuNi, Titan
- Abnahme: TÜV, ISPESL, RINA, PED u.a.
- Geeignet für FCKW, FKW und NH<sub>3</sub>

### Desurriscaldatori di calore gas frigorigeno-acqua Desuperheaters for refrigerants with water Rohrbündel-Kältemittel-Enthitzer-WRG

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Model	Capacity		Flowrate		Connection		Dimension			
	kW*	kW**	H <sub>2</sub> O (m <sup>3</sup> /h)	Gas (kg/H)	H <sub>2</sub> O (FPT)	Gas (ODS)	A (mm)	B (mm)	C (mm)	D (mm)
DRC 7,3 - 23,5	7	23,5	1,2	577	1"	28R	214	700	778	168
DRC 10 - 34	10	34	1,8	835	1"	28R	214	700	778	168
DRM 18 - 75	18	75	3,9	1842	1"1/2	35R	214	1400	1478	168
DRM 21 - 89	21	89	4,6	2186	1"1/2	35R	214	1400	1478	168
DRL 50 - 171	50	171	8,8	4199	1"1/2	42	214	2100	2178	168
DRL 63 - 215	63	215	11,1	5280	1"1/2	42	214	2100	2178	168
DRL 84 - 286	84	286	14,8	7023	1"1/2	54	240	2100	2178	193
DRL 108 - 365	108	365	18,8	8963	2"1/2	54	240	2100	2178	193
DRL 154 - 522	154	522	26,9	12819	4"Gr	67	330	2100	2258	273
DRL 213 - 720	213	720	37,1	17681	4"Gr	67	330	2100	2258	273
DRL 281 - 950	281	950	49,0	23329	4"Gr	67	330	2100	2258	273

\* Potenza desurriscaldatore alle condizioni: Gas R407C: in 85°C, out 55°C, Acqua: in 45°C, out 50°C, FF=0,000044 m<sup>2</sup>K/W.

\*\* Potenza frigorifera compressore alle condizioni: R407C, Tc=50°C/3K, Te=3°C/5K.

\* Desuperheater capacity at conditions: Gas R407C: in 85°C, out 55°C, water: in 45°C, out 50°C, FF=0,000044 m<sup>2</sup>K/W.

\*\* Compressor cooling capacity at conditions: R407C, Tc=50°C/3K, Te=3°C/5K.

\* Die angegebenen Enthitzerleistungen beziehen sich auf folgenden Eckdaten: Gas R407C: ein 85°C, aus 55°C, Wasser: ein 45°C, aus 50°C, FF=0,000044 m<sup>2</sup>K/W.

\*\* Kälteleistung des Verdichters: R407C, Tc=50°C/3K, Te=3°C/5K.

Dati soggetti a possibili modifiche / Data subject to possible changes / Änderungen vorbehalten