

MICRONIC SUCTION FILTER SHELLS

“THE BEST & CHEAPEST CORE SHELL TO PROTECT COMPRESSORS”

SPECIFIC PURPOSE

- Compact shell (only one core from 1⁵/₈" up to 3¹/₈" ODS connections) providing a permanent **VERY HIGH MICRONIC FILTRATION** (down to **5 microns**) under a **VERY LOW PRESSURE DROP** (down to **0,035 bar** or 0,5 psi).
- Keeps oil and refrigerant permanently clean.
- Prevents all foreign burrs, dirt and sludge to damage the highly machined & polished internal working part of the compressor.

DESIGN FEATURES

- Steel shell and cover. Copper fitting connections.
- Full flow filter with a corrugated filter core area at low P.D.
- Expanded metal cylinder offers a rugged unit for speed flow.
- Access valve (1/4" male flare SAE) with **“schrader”** core and cap for easy & accurate pressure drop readings.

INSTALLATION

- Can be installed in any position. It is **BI-DIRECTIONAL**.
- The shell receives the specific replaceable **“CF”** micronic filter core. With the help of the RK-kit, it gives the benefit to temporarily receive all other standard **ceramic core models** shown page 239.
- This **TEMPORARY CLEAN UP METHOD** (say between 2 to 4 hours long) gives you a temporary drier shell to obtain a moisture and acid removal at start up, High drying action after any incidental opening, breaking or leaking pipes. Regeneration and safety after any **“burnout”**, etc...).
- **NOTE:** In this case (with **ceramic core** and **KIT “RK”**) the side connection has to be used as the inlet.

1. TO ORDER SHELLS & CORES

SHELL PART NUMBER	O.D.S. CONNECT	MICRONIC FILTER CORE	KIT FOR CERAMIC CORE	DIMENSIONS (cm)			BODY SHELL Ø
				A	B	C	
US-83713	1 ⁵ / ₈ "	US-824-CF	24-RK	28,0	21,3	8,8	8 cm (3")
US-85713	1 ⁵ / ₈ "	US-848-CF	48-RK	24,3	16,5	10,0	12 cm (4 ³ / ₄ ")
US-85721	2 ⁵ / ₈ "	US-848-CF	48-RK	26,4	16,7	14,5	
US-86725	3 ¹ / ₈ "	US-810-CF	10-RK	42,7	30,5	16,7	16 cm (6")

- The **3 references** you need:
 - One suction replaceable core shell.
 - One permanent **“CF”** filtering core.
 - One temporary **“RK”** Kit for using other ceramic cores.

- **1 cm** = ,394 inch
- **1 inch** = 2,54 cm.

2. CAPACITY TABLE SELECTION (For “CF” filter core use).

Capacities given in kW/h (1 kW/h = 860 Fg/h = 0,284 US tons).

EVAPORATING TEMPERATURE		-40°C (-40°F)		-30°C (-20°F)			-18°C (0°F)			-7°C (20°F)			+5°C (40°F)		
REFRIGERANTS		R134a	R22	R134a	R22	R404A	R134a	R22	R404A	R134a	R22	R404A	R134a	R22	R404A
SHELL PART NUMBER	CONN. DIAM.	PRESSURE DROP in bar and (psi)													
		0,04 (0,5)	0,04 (0,5)	0,04 (0,5)	0,07 (1)	0,07 (1)	0,07 (1)	0,1 (1,5)	0,1 (1,5)	0,1 (1,5)	0,14 (2)	0,14 (2)	0,14 (2)	0,21 (3)	0,21 (3)
US-83713	1 ⁵ / ₈ "	11	11	26	26	18	42	42	29	62	62	44	95	95	68
US-85713	1 ⁵ / ₈ "	15	15	36	36	25	56	56	40	83	83	59	127	127	91
US-85721	2 ⁵ / ₈ "	27	27	65	65	45	104	104	73	153	153	108	234	234	168
US-86725	3 ¹ / ₈ "	42	42	104	104	71	164	164	115	242	242	171	369	369	267



SPECIFICATIONS:

- For R12, R22, R502, R134a, R404A, R407C, R410A, R507 and other blends with their specific lubricants.
- Maximum working pressure, between -10°C and +65°C: 34,5 bar (500 psi) between -45°C and -10°C: 25,9 bar (375 psi)
- CE approved (PED).
- Bursting pressure: 175 bar (2500 psi).