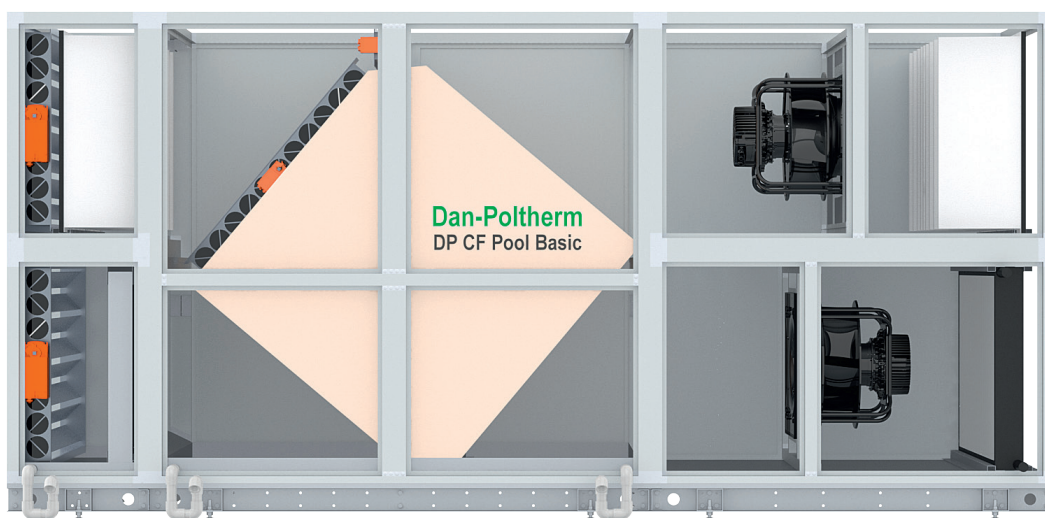


Centrale de tratare a aerului pentru piscine interioare cu recuperator de caldura in contracurent



DP CF Pool Basic

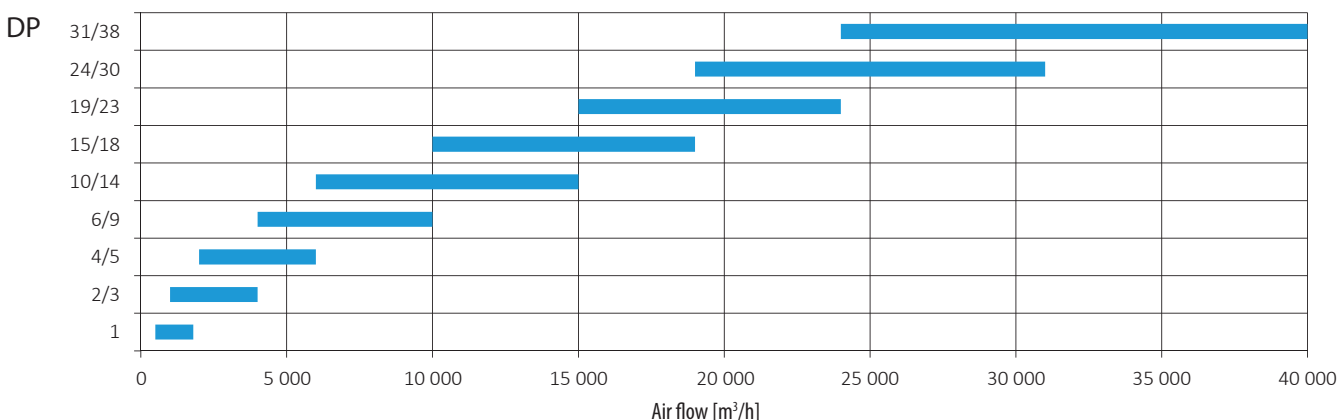
Debite de aer: 500 – 40 000m³/h

Caracteristici generale

- Ventilare, dezumidificare, incalzire si recuperare de caldura intr-un singur echipament compact
- Capacitate de recuperare de peste 95% in cea mai inalta clasa **H1** cu o foarte mica rezistenta aeraulica
- Centralele de tratare indeplinesc toate cerintele **EcoDesign 2016 +2018**, directivele 2009/125/EC
- Echipament complet, plug&play, cu cablaj executat exclusiv in fabrica si sistem de comanda si control ce contine toate elementele necesare pentru ventilare, dezumidificare si incalzire.
- Capacitate de comunicatie cu sistemele de management al cladirii si orice tip de protocol deschis - Modbus, BACnet, LonWorks
- Carcasa certificata, cu puncte termice eliminate, inclusa in cea mai inalta clasa de **TB1 (M)/T2 (M)/D1 (M)/L1 (M)/F9 (M)**
- Recuperatoare in contracurent rezistente la coroziune (clor, sare) incluse in cea mai inalta clasa de protectie - C5
- Panouri sandwich complet izolate si etanse rezistente in cele mai agresive medii de lucru.
- Interiorul carcasei protejat cu plastic pentru rezistenta completa la coroziune
- Invelitoarea externa din tabla galvanizata si vopsita cu poliester pentru rezistenta superioara la coroziune
- Toate componentele interioare sunt rezistente la coroziune chimica (mediu piscina), integrate in cea mai inalta clasa de rezistenta -C5 - sunt fabricate din inox sau protejate cu pulberi anticoroziive
- Ventilatoare EC sau Plug cu reglare liniara si debit de aer masurat in m³/h; performante variabile in functie de necesar sau pierderile de presiune induse de exemplu de filtre
- LPHW - Baterie de incalzire cu agent termic cu vana cu reglaj cantitativ si calitativ cu actuator, protejata electro-chimic impotriva coroziunii, vopsita cu pulbere in camp electrostatic
- Cadru rigid din profile zincate si vopsite in camp electrostatic cu picioare antivibratii
- Optional - **DP ViewNet**, panou de comanda la distanta, monitorizare si reprezentare grafica a functionarii in timp real plus alte multe optiuni: atenuatoare de zgomot, diferite sau multiple trepte de filtrare, service la distanta si mentenanta, senzori calitate aer, versiune pentru exterior, baterie de racire, etc

DP CF Pool Basic Quick selection guide

The quick selection chart shows the scope of work for the individual sizes of **DP CF Pool Basic** units and suggests, which unit should be selected depending on the air flow.



Technical parameters

Unit type		1	2/3	4/5	6/9	10/14	15/18	19/23	24/30	31/38
Nominal air volume ¹⁾	m ³ /h	1 150	3 000	5 000	8 000	12 500	17 000	21 500	27 500	35 000
Maximum air volume	m ³ /h	1 800	4 000	6 000	10 000	15 000	19 000	24 000	31 000	40 000
Fresh air supply	%	0 - 100								
Dehumidification capacity ²⁾	kg/h	6,0	15,0	25,0	40,0	63,0	86,0	107,0	137,0	175,0
Heat recovery efficiency 95-99%	%	Over 95								
Power Supply		3 / N / PE 400V 50 Hz								
External static pressure										
Supply and fresh air channel ¹⁾	Pa	400	400	400	400	400	400	400	400	400
Return and exhaust air channel ¹⁾	Pa	400	400	400	400	400	400	400	400	400
Sound power level										
Supply	dB(A)	77	83	84	84	95	85	91	86	93
Extract	dB(A)	70	70	71	70	80	72	77	73	79
Fresh	dB(A)	70	71	72	70	80	72	77	73	79
Exhaust	dB(A)	79	85	85	86	98	87	94	88	96
1 m distance from device	dB(A)	52	54	55	56	66	57	63	57	65
Fan units										
Nominal motor power -supply	kW	0,45	1,65	1,85	2,83	5,50	7,02	11,00	10,53	16,50
Nominal motor power -extract	kW	0,45	1,65	1,85	2,83	5,50	7,02	11,00	10,53	16,50
Max. current supply	A	2,80	2,50	2,90	4,30	8,40	10,80	16,80	16,20	25,20
Max. current extract	A	2,80	2,50	2,90	4,30	8,40	10,80	16,80	16,20	25,20
LPHW - Water heater										
Heating capacity ⁴⁾	kW	5,4	16,7	23,0	38,0	61,7	77,5	113,7	145,0	182,9
Water flow rate ⁴⁾	kg/h	214	562	936	1494	2337	3193	4010	5140	6557
Pressure loss ⁴⁾	kPa	0,2	1,2	1,7	1,4	3,2	0,9	8,1	2,9	5,0
Connections										
Water heater connection ⁴⁾	DN	¾"	¾"	1"	1 ¼"	1 ½"	2"	1 ½"	2"	2"
Water heater valve connection ⁴⁾	DN	¾"	¾"	1"	1 ¼"	1 ½"	2"	1 ½"	2"	2"
Condensate drainage	DN	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"

All of the above parameters included in the table are converted for nominal air volume.

Outside air: -20°C/100%; Inside air: 30°C/55%; fresh air: 30%

¹⁾ Possible higher air volume and pressure drop - available on request; ²⁾ For nominal air volume; Outside air: -20°C/100%; Inside air: 30°C/55%; fresh air: 30%; ³⁾ for a given mode of operation; ⁴⁾ Temp. of air supply: 42°C; Water parameters: 70°C/50°C

In case of other parameters please contact the Commercial Office or branch directly



TÜV
EN-1886

TÜV
EN-13053

TÜV
PED 97/23/EC

PZH

CE

ISO 9001



Headquarters:
Rusocin, ul. Gdańska 12
83-031 Łęgowo
phone: 58 692 11 77
fax: 58 692 11 78
e-mail: office@dan-poltherm.pl

Warsaw Branch:
Al. Jerozolimskie 200
200 building 2, office 401
02-486 Warszawa
phone: 22 578 11 39
fax: 22 578 11 40

Katowice Branch:
ul. Konduktorska 39B
40-155 Katowice
phone: 665 670 088

Wrocław:
e-mail: wroclaw@dan-poltherm.pl
phone: 609 222 021

Poznań:
e-mail: poznan@dan-poltherm.pl
phone: 609 222 021