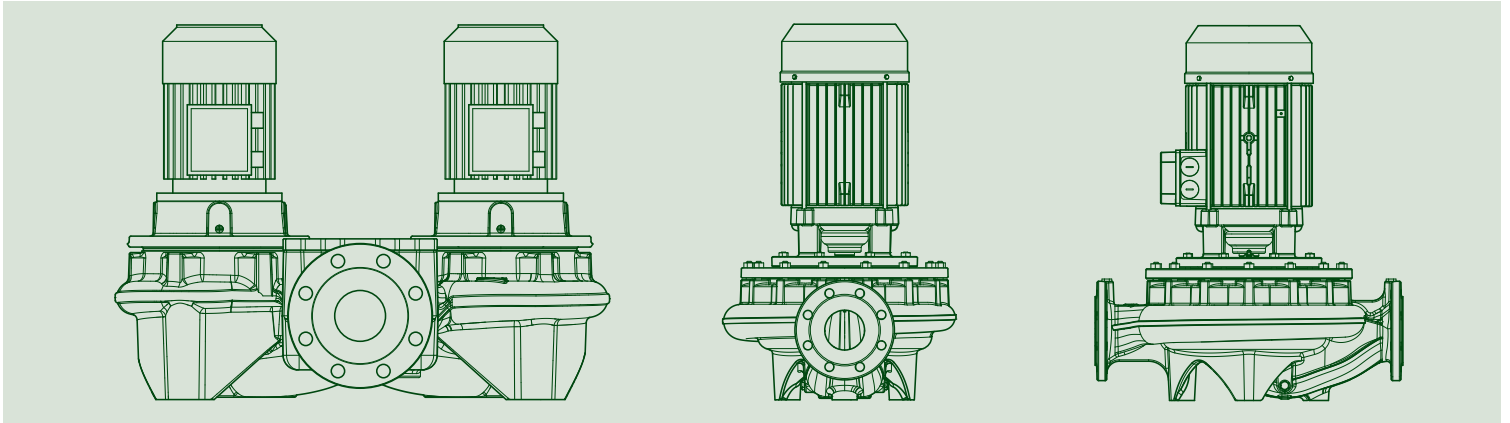


IN-LINE PUMPS



TECHNICAL CATALOGUE

CM / CM-G / DCM / DCM-G

ELECTRIC IN-LINE PUMPS



TECHNICAL DATA

Operating range: from 1,2 to 420 m³/h with head of up to 41 metres.
Pumped liquid: clean, free of solids and abrasives, non-viscous, non-aggressive, non-crystallised and chemically neutral, with properties similar to water. Maximum glycol content 30 % (for other glycol percentages contact Technical Support).
Liquid temperature range:
 from -10 °C to +130 °C for DN 40 - DN 50.
 from -10 °C to +140 °C for the remainder of the range.
Maximum ambient temperature: +40 °C.
Maximum operating pressure:
 PN10 : for DN 40 - DN 50.
 PN16 : Remainder of the range.
Flanging: PN 16.
Special executions on request: Other voltages and/or frequencies.
Protection: IP 55.
Insulation: class F.

APPLICATIONS

In-line port circulation pumps, suitable for heating, air conditioning, refrigeration and sanitary water systems. Available in the single and twin versions.

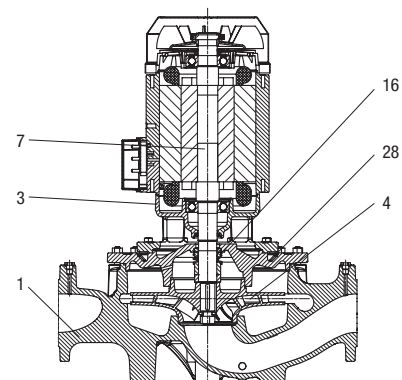
CONSTRUCTION FEATURES

PN 10 - PN 16 flanged suction and delivery ports with threaded holes for control manometers. Cast iron pump body and motor support, cast iron or technopolymer impeller depending on mode. Stainless steel motor shaft. External ventilation three-phase asynchronous motor. For its protection we recommend the use of remote overload cut-outs, in compliance with current local regulations.

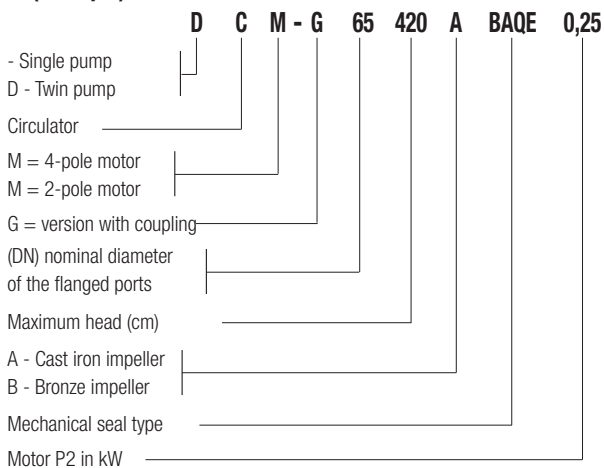
MATERIALS

N.	PARTS*	MATERIALS
1	PUMP BODY	CAST IRON 250 UNI ISO 185
3	SUPPORT	CAST IRON 250 UNI ISO 185
4	IMPELLER	CAST IRON DN 65-80-100-125-150 / DCM Dn 40 - 50 / CM 40-1300T, CM 40-1450T, CM 50-1270T , CM 50-1420T TECHNOPOLYMER B CM 40-440T, CM 40-540T, CM 40-670T, CM 40-870T, CM 50-510T, CM 50-630T, CM 50-780T, CM 50-1000T
7	SHAFT WITH ROTOR	AISI 304 STAINLESS STEEL X5 CrNiS 1809 UNI 6900/71
16	MECHANICAL SEAL	CARBON/GRAPHITE
28	OR RING	EPDM RUBBER

* In contact with the liquid

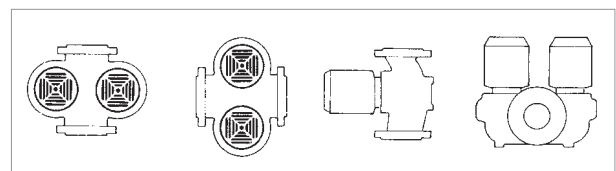
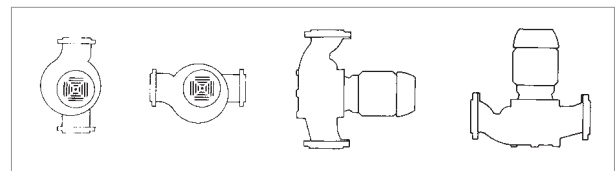


- Denomination index: (example)



Installation: horizontal or vertical position, provided that the motor is always above the pump.

Vertical installation only for powers exceeding 7,5 kW.



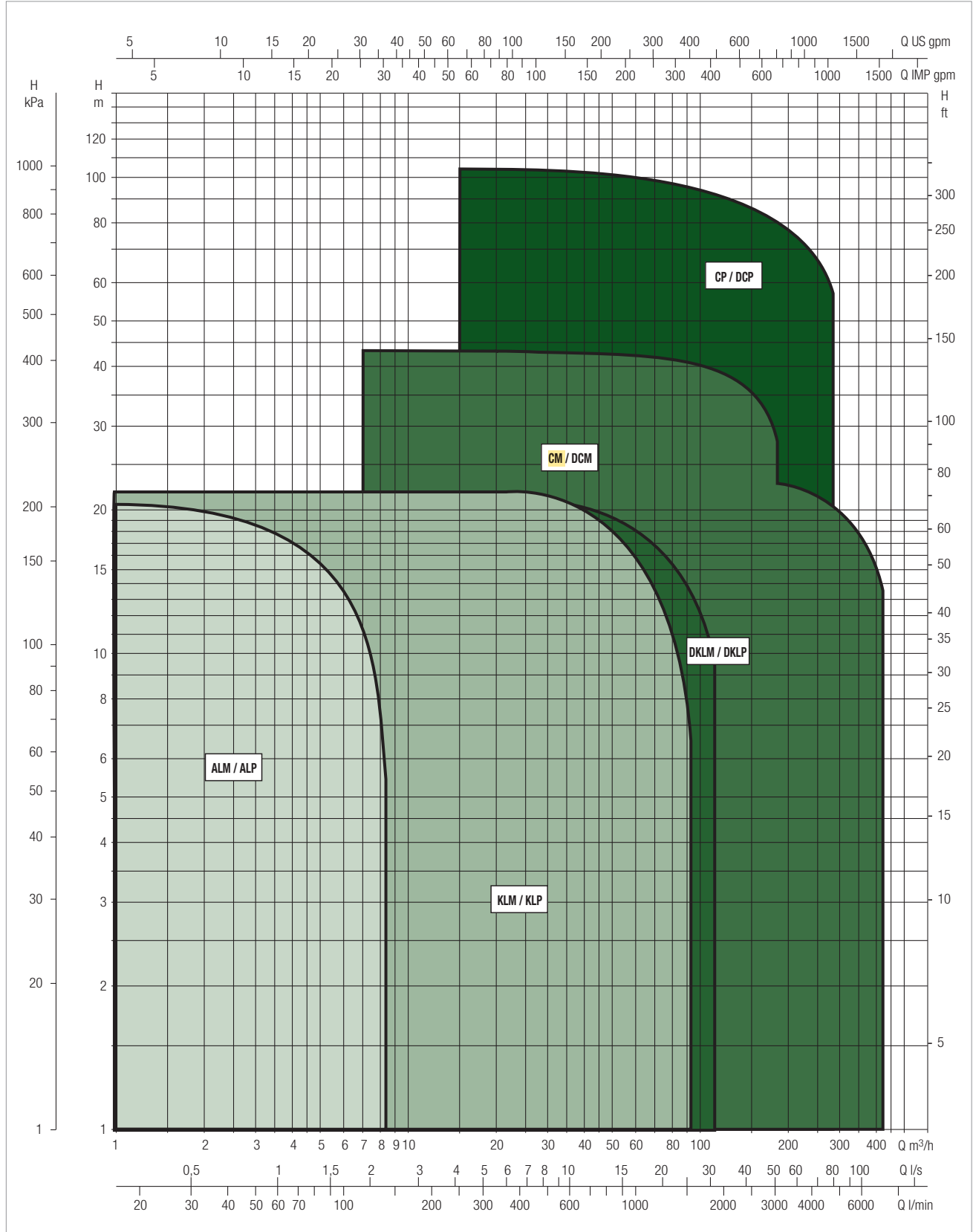
ELECTRIC IN-LINE PUMPS

IN-LINE ELECTRIC PUMPS FOR CIRCULATION SYSTEMS

PERFORMANCE RANGE

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

GRAPHIC SELECTION TABLE



IN-LINE PUMPS

CM / CM-G / DCM / DCM-G

ELECTRIC IN-LINE PUMPS

SELECTION TABLE - CM / CM-G - 4 POLES

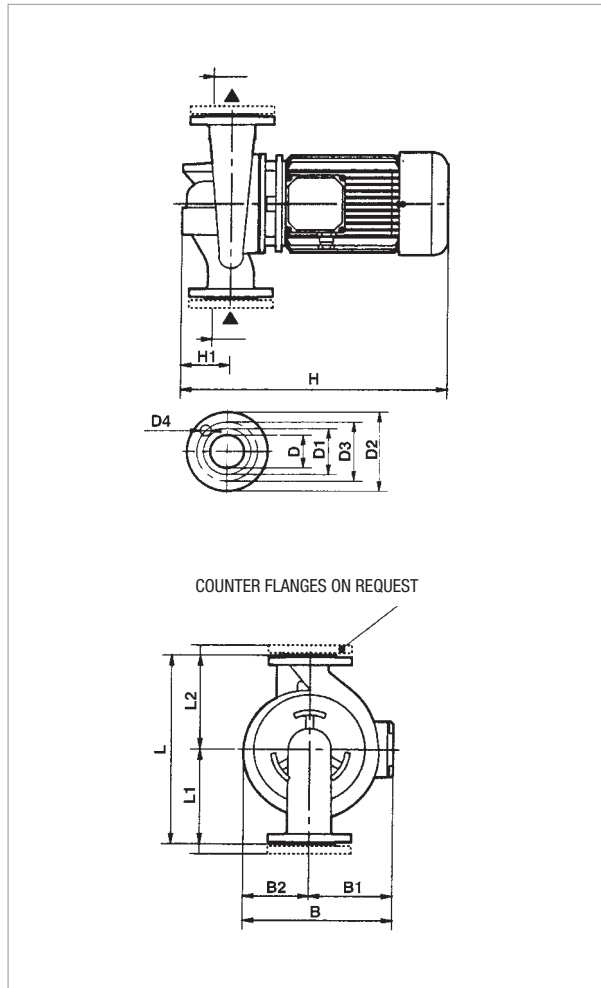
MODEL	Q=m ³ /h	0	1,2	2,4	3	3,6	4,8	6	12	18	24	30	36	42	48		
	Q=l/min	0	20	40	50	60	80	100	200	300	400	500	600	700	800		
CM 40-440 T	H (m)	4,4	4,4	4,3	4,3	4,2	4,1	3,8									
CM 40-540 T		5,6	5,6	5,6	5,5	5,5	5,4	5	1,8								
CM 40-670 T		6,9	6,9	6,9	6,8	6,7	6,6	6,3	3,1								
CM 40-870 T		8,7	8,7	8,6	8,6	8,5	8,3	8,2	5								
CM 40-1300 T					13	12,9	12,5	12,4	9,8	6							
CM 40-1450 T							14,4	14,3	11,8	8							

MODEL	Q=m ³ /h	0	1,2	2,4	3	3,6	4,8	6	12	18	24	30	36	42	48		
	Q=l/min	0	20	40	50	60	80	100	200	300	400	500	600	700	800		
CM 50-510 T	H (m)					5	4,6	4,2									
CM 50-630 T						6,2	5,8	5,5									
CM 50-780 T						7,7	7,4	7,1									
CM 50-1000 T						10,1	9,8	9,6	6,8								
CM 50-1270 T								12,7	11,2	8,5							
CM 50-1420 T								14,2	13	10	6						

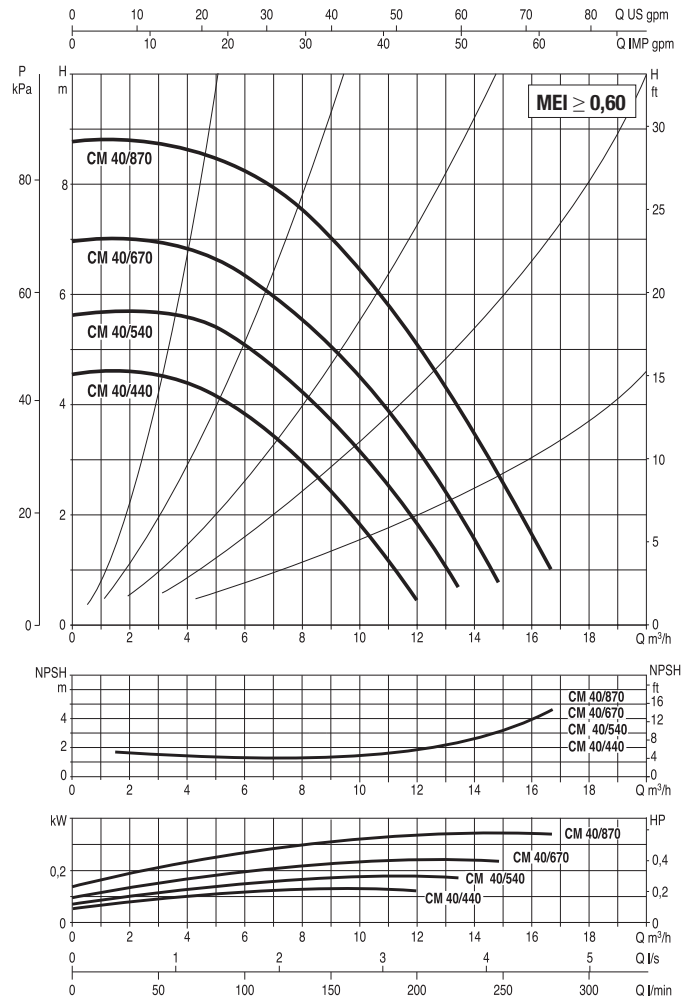
MODEL	Q=m ³ /h	0	1,2	2,4	3	3,6	4,8	6	12	18	24	30	36	42	48	
	Q=l/min	0	20	40	50	60	80	100	200	300	400	500	600	700	800	
CM-G 65-420/A/BAQE/0,25	H (m)	4,2						4,1	3,7	3	2,1					
CM-G 65-540/A/BAQE/0,37		5,4							5,3	5	4,4	3,5				
CM-G 65-660/A/BAQE/0,55		6,6							6,5	6,2	5,7	4,8				
CM-G 65-760/A/BAQE/0,55		7,6							7,7	7,6	6,7	5,5				
CM-G 65-920/A/BAQE/0,75		9,2							9,2	9	8,4	7,4	5,7			
CM-G 65-1080/A/BAQE/1,1		10,8								10,8	10,6	10,2	9,5	8,6	7,3	
CM-G 65-1200/A/BAQE/1,5		12								12	11,9	11,5	10,8	10,1	8,9	
CM-G 65-1530/A/BAQE/2,2		15,3								15,3	15,2	14,8	14	13,3	12,1	10,8
CM-G 65-1680/A/BAQE/3		16,8								16,8	16,5	16,1	15,5	14,6	13,6	12,4
CM-G 65-2380/A/BAQE/4		23,8								24	23,8	23,4	22,7	21,6	20,4	19

CM 40 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +130 °C - Maximum ambient temperature: +40 °C



The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.



MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA								MOTOR TYPE	
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A				
						kW	HP	230	400			
CM 40-440 T	390	DN 40	3 x 230 - 400 V ~	1480	0,28	0,75	1,00	-	-	1,8	1,0	IE2
CM 40-540 T	390	DN 40	3 x 230 - 400 V ~	1480	0,33	0,75	1,00	-	-	1,8	1,0	IE2
CM 40-670 T	390	DN 40	3 x 230 - 400 V ~	1480	0,39	0,75	1,00	-	-	1,8	1,1	IE2
CM 40-870 T	390	DN 40	3 x 230 - 400 V ~	1480	0,51	0,75	1,00	-	-	1,9	1,1	IE2

MODEL	L	L1	L2	B	B1	B2	H		H1	D	D1	D2	D3	D4 no. of holes	PACKING DIMENSIONS			VOLUME (m ³)	WEIGHT kg	
							-	IE2							L/A	L/B	H		-	IE2
CM 40/440 T	390	200	190	231	118	113	-	453	95	40 PN 16	88	150	110	4 Ø 18	680	330	580	0,13	-	41
CM 40/540 T	390	200	190	231	118	113	-	453	95	40 PN 16	88	150	110		680	330	580	0,13	-	41
CM 40/670 T	390	200	190	231	118	113	-	453	95	40 PN 16	88	150	110		680	330	580	0,13	-	41
CM 40/870 T	390	200	190	231	118	113	-	453	95	40 PN 16	88	150	110		680	330	580	0,13	-	41

DNA[®]

PUMPS SELECTOR

On-line product selection



DAB PUMPS LTD.
Unit 4 and 5, Stortford Hall Industrial Park,
Dunmow Road,
Bishops Stortford,
Herts
CM23 5GZ - UK
salesuk@dwtgroup.com
Tel. +44 1279 652 776
Fax +44 1279 657 727



DAB PUMPS IBERICA S.L.
Calle Verano 18-20-22
28850 - Torrejón de Ardoz - Madrid
Spain
Info.spain@dwtgroup.com
Tel. +34 91 6569545
Fax: +34 91 6569676



DAB PUMPS SOUTH AFRICA PTY
Twenty One industrial Estate,
16 Purlin Street, Warehouse 4, Unit B
Olifantsfontein - South - Africa
info.sa@dwtgroup.com
Tel. +27 12 361 3997
Fax +27 12 361 3137



DAB PUMPS B.V.
Brusselstraat 150
B-1702 Groot-Bijgaarden - Belgium
info.belgium@dwtgroup.com
Tel. +32 2 4668353
Fax +32 2 4669218



DAB PUMPS HUNGARY KFT.
H-8800
Nagykanizsa, Buda Ernő u.5
Hungary
Tel. +36 93501700



DAB PUMPS (QINGDAO) CO. LTD.
No.40 Kaituo Road, Qingdao Economic & Technological
Development Zone
Qingdao City, Shandong Province - China
PC: 266500
sales.cn@dwtgroup.com
Tel. +86 400 186 8280
Fax +86 53286812210



DAB PUMPS POLAND Sp. z o.o.
Mokotów Marynarska
ul. Postępu 15C
02-676 Warszawa - Poland
polska@dabpumps.com.pl
Tel. +48 223 816 085



DAB PUMPS B.V.
Albert Einsteinweg, 4
5151 DL Drunen - Nederland
info.netherlands@dwtgroup.com
Tel. +31 416 387280
Fax +31 416 387299



OOO DAB PUMPS
Novgorodskaya str. 1, block G
office 308, 127247, Moscow - Russia
info.russia@dwtgroup.com
Tel. +7 495 122 0035
Fax +7 495 122 0036



DAB PUMPS DE MÉXICO, S.A. DE C.V.
Av Amsterdam 101 Local 4
Col. Hipódromo Condesa,
Del. Cuauhtémoc CP 06170
Ciudad de México
Tel. +52 55 6719 0493



DAB PUMPEN DEUTSCHLAND GmbH
Tackweg 11
D - 47918 Tönisvorst - Germany
info.germany@dwtgroup.com
Tel. +49 2151 82136-0
Fax +49 2151 82136-36



DAB PUMPS INC.
3226 Benchmark Drive
Ladson, SC 29456 - USA
info.usa@dwtgroup.com
Tel. 1- 843-797-5002
Fax 1-843-797-3366



DAB PUMPS OCEANIA PTY LTD
426 South Gippsland Hwy,
Dandenong South VIC 3175 - Australia
info.oceania@dwtgroup.com
Tel. +61 1300 373 677