



MARINE **AIR COMPRESSORS**

Tailor-made is our standard



ABOUT US

Deno Compressors is an original equipment manufacturer of air compressors and a specialist in marine applications for compressed air systems.

Our compressors have been designed and built since 1918, and thousands of compressor systems have been installed since then. Deno Compressors is certified to ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018.

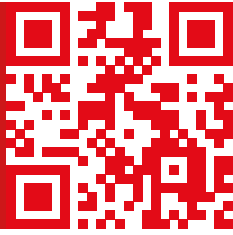
Deno compressor systems can be delivered as custom-made packages, creating opportunities to save on space, time and installation costs.

Deno starting air compressors hold type approval from major classification societies. Inspection certificates for individual compressors are issued on request.

We maintain a sufficient stock of all components for all types, at all times and are represented in more than 30 countries.

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At Deno Compressors, we maintain an extensive stock of components for all compressor types to ensure immediate availability and fast delivery.

DENO

STARTING AIR COMPRESSORS

AIR-COOLED

The DENO 2L, 3L, and L4 Series are multi-stage, direct-driven, piston-type starting air compressors. The compressors can be delivered as loose units or as fully assembled starting air skids for easy installation and immediate start-up. Compressor operation is fully automatic and complies with the rules and regulations of all major classification societies.

- Max. pressure 40 bar
- Max. ambient temperature 55 °C
- Standard voltage: 380~415 V/3 Ph/50 Hz - 440~480 V/3 Ph/60 Hz
- Deviating voltages and pressures upon request

Model	Qty Cyl./ Stages	50 Hz				60 Hz			
		950 RPM		1450 RPM		1150 RPM		1750 RPM	
		Capacity m ³ /hr	Required Power kW	Capacity m ³ /hr	Required Power kW	Capacity m ³ /hr	Required Power kW	Capacity m ³ /hr	Required Power kW
2L-15	2/2	10	1,9	15	2,9	12	2,4	18	3,4
2L-25	2/2	16	3,3	25	5,2	20	4,2	30	6,1
2L-35	2/2	23	4,9	35	7,2	28	5,9	42	8,3
3L-42	3/2	27	5,4	42	7,4	33	6,5	51	8,6
3L-60	3/2	41	7,0	63	10,8	50	8,5	76	13,0
3L-75	3/3	50	8,6	76	13,2	60	10,4	91	15,9
3L-100	3/3	66	11,5	101	17,5	80	13,9	122	21,1
3L-120	3/3	80	13,9	122	21,2	97	16,8	147	25,6
L4-150	4/3	100	19,5	150	29,0	120	24,0	180	34,0
L4-200	4/3	131	26,0	200	38,5	160	31,0	x	x

Rated details at 30 bar, nominal conditions: 20 °C & 1013 mbar

WATER-COOLED

The DENO 2K and 3K Series are multi-stage, direct-driven, piston-type starting air compressors. The compressors can be delivered as loose units or as fully assembled starting air skids for easy installation and immediate start-up. Compressor operation is fully automatic and complies with the rules and regulations of all major classification societies.



- Max. pressure 40 bar
- Max. ambient temperature 55 °C
- Suitable for fresh & sea water cooling, max. 40 °C
- Standard voltage: 380~415 V/3 Ph/50 Hz - 440~480 V/3 Ph/60 Hz
- Deviating voltages and pressures upon request

Model	Qty Cyl./ Stages	50 Hz				60 Hz			
		950 RPM		1450 RPM		1150 RPM		1750 RPM	
		Capacity m ³ /hr	Required Power kW	Capacity m ³ /hr	Required Power kW	Capacity m ³ /hr	Required Power kW	Capacity m ³ /hr	Required Power kW
2K25	2/2	16	3,3	25	5,2	20	4,2	30	6,1
2K35	2/2	23	4,9	35	7,2	28	5,9	42	8,3
3K56	3/2	39	7,6	60	11,5	47	9,4	72	13,8
2K95	2/2	61	10,6	93	16,2	74	12,9	112	19,6
2K125	2/2	82	14,3	125	21,8	99	17,3	151	26,3
2K155	2/2	102	18,4	155	28,0	123	22,2	187	33,8
2K170	2/2	111	20,9	170	31,9	135	25,3	205	38,5

Rated details at 30 bar, nominal conditions: 20 °C & 1013 mbar

DENO ROTARY SCREW COMPRESSORS

BELT-DRIVEN

The DENO DSR series 3 up to 55 are belt-driven rotary screw compressors. The compressors are supplied with a sound-reducing enclosure featuring quick-release panels and/or hinged doors enabling easy inspection and maintenance. Compressor operation is fully automated by a sophisticated and user-friendly digital controller.



- Max. ambient temperature 55 °C
- Standard air cooled, fresh & sea water cooled is optional
- Standard voltage: 380~415 V/3 Ph/50 Hz - 440~480 V/3 Ph/60 Hz
- Deviating voltages and pressures upon request

Model	Pressure bar	50 Hz			60 Hz		
		Capacity		Motor power kW	Capacity		Motor power kW
		m ³ /min	m ³ /hr		m ³ /min	m ³ /hr	
DSR 3	8	0,42	25	3,0	0,50	30	3,5
	10	0,33	20		0,40	24	
	13	N/A	N/A		N/A	N/A	
DSR 4	8	0,57	34	4,0	0,62	37	4,7
	10	0,47	28		0,53	32	
	13	N/A	N/A		N/A	N/A	
DSR 5	8	0,83	50	5,5	0,92	55	6,4
	10	0,67	40		0,75	45	
	13	0,55	33		0,63	38	
DSR 7	8	1,13	68	7,5	1,23	74	8,8
	10	0,95	57		1,07	64	
	13	0,78	47		0,87	52	
DSR 11	8	1,80	108	11,0	1,97	118	12,8
	10	1,50	90		1,73	104	
	13	1,17	70		1,45	87	
DSR 15	8	2,20	150	15,0	2,67	160	17,3
	10	2,00	120		2,17	130	
	13	1,60	96		1,80	108	
DSR 18	8	3,17	190	18,5	3,30	198	21,6
	10	2,67	160		3,00	180	
	13	2,20	132		2,42	145	
DSR 22	8	3,67	220	22,0	3,77	226	25,5
	10	3,17	190		3,40	204	
	13	2,70	162		2,92	175	
DSR 30	8	5,15	309	30,0	5,42	325	35,0
	10	4,42	265		4,75	285	
	13	3,33	200		3,67	220	
DSR 37	8	6,22	373	37,0	6,50	390	43,0
	10	5,42	325		5,92	355	
	13	4,83	290		5,08	305	
DSR 45	8	7,57	454	45,0	8,25	495	52,5
	10	7,00	420		7,50	450	
	13	5,83	350		6,23	374	
DSR 55	8	9,63	578	55,0	9,92	595	64,0
	10	8,50	510		9,02	541	
	13	6,67	400		7,62	457	

Rated details at nominal conditions: 20 °C & 1013 mbar

DIRECT-DRIVEN

The DENO DSD series 75 up to 315 are direct-driven rotary screw compressors. The compressors can be supplied with a sound-reducing enclosure as standard or as custom-built packages with integrated water separators & filters, minimizing installation space. The compressor operation is fully automated by a sophisticated and user-friendly digital controller.



- Max. ambient temperature 55 °C
- Available with air or fresh & sea water cooling
- Standard voltage: 380~415 V/3 Ph/50 Hz - 440~480 V/3 Ph/60 Hz
- Deviating voltages and pressures upon request

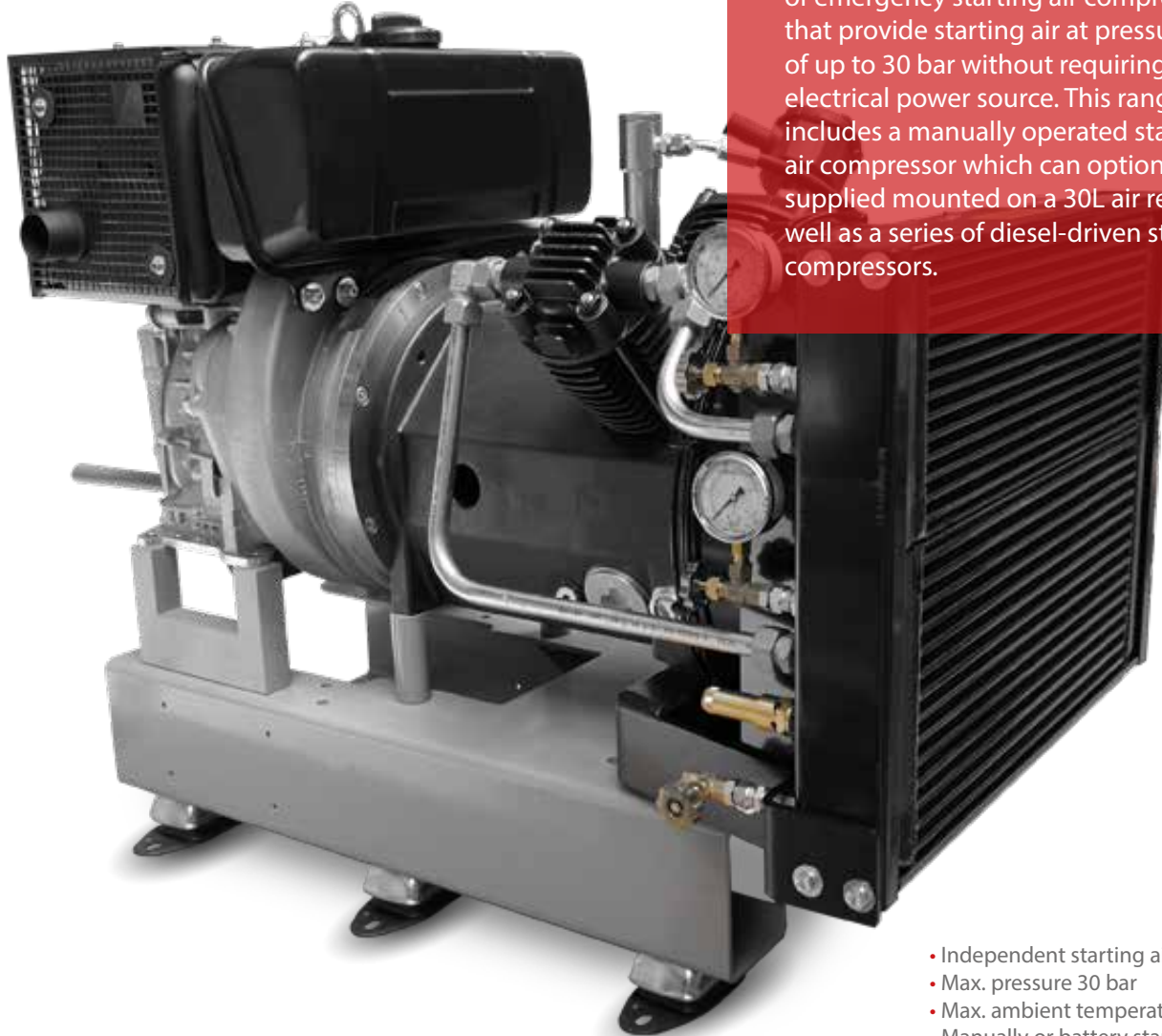
Model	Pressure bar	50 Hz			60 Hz		
		Capacity		Motor power kW	Capacity		Motor power kW
		m ³ /min	m ³ /hr		m ³ /min	m ³ /hr	
DSD 75	8	12,6	760	75	14,1	846	85
	10	12,3	740		11,3	678	
	13	9,3	558		11,1	666	
DSD 90	8	15,3	915	90	14,1	846	104
	10	12,0	720		14,1	846	
	13	12,3	740		11,1	666	
DSD 110	8	19,1	1146	110	18,3	1098	127
	10	15,2	912		18,2	1092	
	13	13,8	828		13,8	828	
DSD 132	8	22,8	1368	132	22,9	1374	152
	10	19,0	1140		22,8	1368	
	13	14,9	894		18,0	1080	
DSD 160	8	27,7	1662	160	27,3	1638	184
	10	22,6	1356		27,1	1626	
	13	18,7	1122		22,4	1344	
DSD 200	8	32,3	1938	200	32,5	1950	230
	10	27,4	1644		27,1	1626	
	13	27,0	1620		26,8	1608	
DSD 250	8	40,1	2406	250	39,9	2394	288
	10	32,0	1920		37,9	2274	
	13	31,7	1900		36,2	2172	
DSD 315	8	48,5	2909	315	48,5	2910	363
	10	45,9	2756		47,1	2828	
	13	39,3	2358		38,1	2288	

Rated details at nominal conditions: 20 °C & 1013 mbar

DENO EMERGENCY AIR COMPRESSORS

STARTING AIR

Deno Compressors has developed a range of emergency starting air compressors that provide starting air at pressures of up to 30 bar without requiring any electrical power source. This range includes a manually operated starting air compressor which can optionally be supplied mounted on a 30L air receiver as well as a series of diesel-driven starting air compressors.



- Independent starting air system
- Max. pressure 30 bar
- Max. ambient temperature 55 °C
- Manually or battery started
- Fully automatic start/stop is optional
- Higher capacities upon request

Model	Qty Cyl./ Stages	Drive type	Capacity with 60 strokes per minute		Air Receiver		Length mm	Width mm	Height mm	Weight kg
			m ³ /hr	L/min	Volume Liter	Pressure Bar				
T8	2/2	Manual	1,8	30	Without		500	200	1200	25
T8-30	2/2	Manual	1,8	30	30	30	800	300	1650	65

Model	Qty Cyl./ Stages	Diesel motor Brand/Type	1500 RPM		1800 RPM		Length mm	Width mm	Height mm	Weight kg
			Capacity m ³ /hr	Required Power kW	Capacity m ³ /hr	Required Power kW				
2L-15HD	2/2	Hatz/1D81	15	4,5	18	6,6	1000	640	890	335
2L-25HD	2/2	Hatz/1D81	25	4,5	30	6,6	1000	640	890	340

Rated details at nominal conditions: 20 °C & 1013 mbar

DENO SERVICE AIR PACKAGE



SERVICE AIR

The DENO DPA series consists of air-cooled, belt-driven, piston-type service air compressors. These compressors can be mounted on top of an air receiver and are ready for direct installation and start-up.

- Max. pressure 10 bar
- Max. ambient temperature 50 °C
- Deviating voltages and pressures upon request

Model	Qty Cyl./ Stages	50 Hz		60 Hz		Receiver Volume Liter	Length mm	Width mm	Height mm	Weight kg
		Capacity m ³ /hr	Required power kW	Capacity m ³ /hr	Required power kW					
DPA2	2/1	15	2,2	15	2,6	0	700	500	500	25
						50	850	400	750	40
						100	1050	500	900	80
DPA3	3/1	27	3,0	27	3,5	0	700	500	550	40
						100	1050	500	950	95
						200	1200	750	1150	145
DPA4	2/1	40	4,0	40	4,7	270	1650	550	1000	180

Rated details at nominal conditions: 20 °C & 1013 mbar

DENO AIR DRYERS

REFRIGERATION

Water vapour in compressed air systems condenses into water when cooled. This condensation can reduce the efficiency and reliability of the compressed air application. Deno Compressors offers a wide range of refrigeration air dryers, which provide a cost-effective solution to this issue.



- Max. pressure 50 bar
- Max. ambient temperature 55 °C
- Dew points between +3 °C and +7 °C
- Suitable for 50 & 60 Hz
- Available range from 35 m³/hr up to 3300 m³/hr

ADSORPTION

Although common refrigeration air dryers are excellent for providing dry compressed air at lower costs, they cannot achieve pressure dew points below +3°C as the water vapour in the compressed air could freeze. Deno Compressors offers a wide range of adsorption air dryers, which provide the technical solution to this issue.



- Max. pressure 16 bar
- Max. ambient temperature 55 °C
- Dew points at -20 °C, -40 °C or -70 °C
- Suitable for 50 & 60 Hz
- Available range from 7 m³/hr up to 400 m³/hr

DENO SKIDS & CUSTOM BUILT



SKIDS

The DENO skids are available in a wide range of standard units as well as custom-built packages. Any configuration is possible for air- or water-cooled compressors. Auxiliaries such as air dryers and air receivers can also be integrated providing a complete package for all requirements.





CUSTOM BUILT

Our specialists design and engineer solutions precisely aligned with your technical specifications. Every project is developed with a focus on quality, efficiency and long-term performance ensuring a perfect fit for your operational needs.



DENO SPARE PARTS & AUXILIARIES

SPARE PARTS

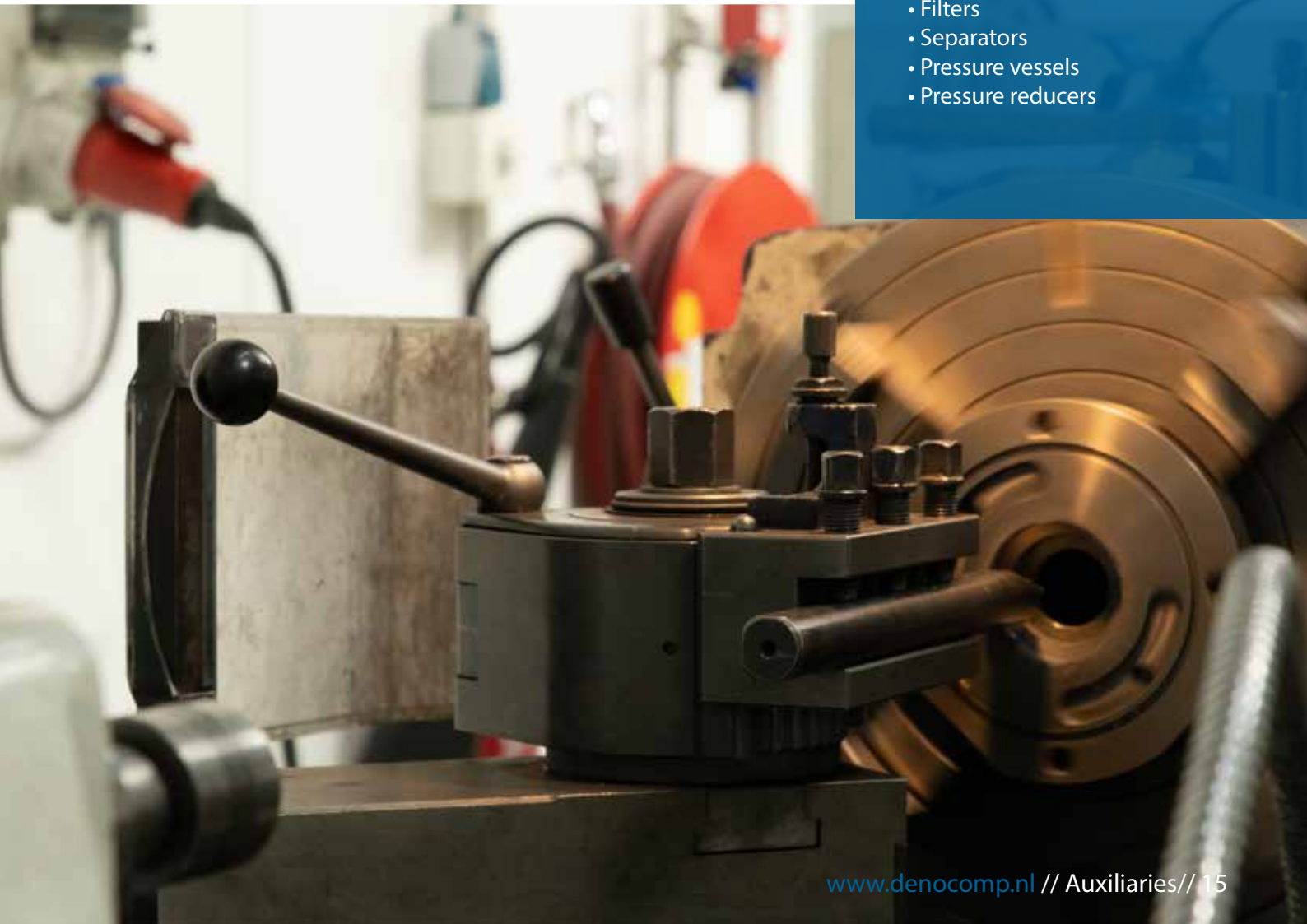
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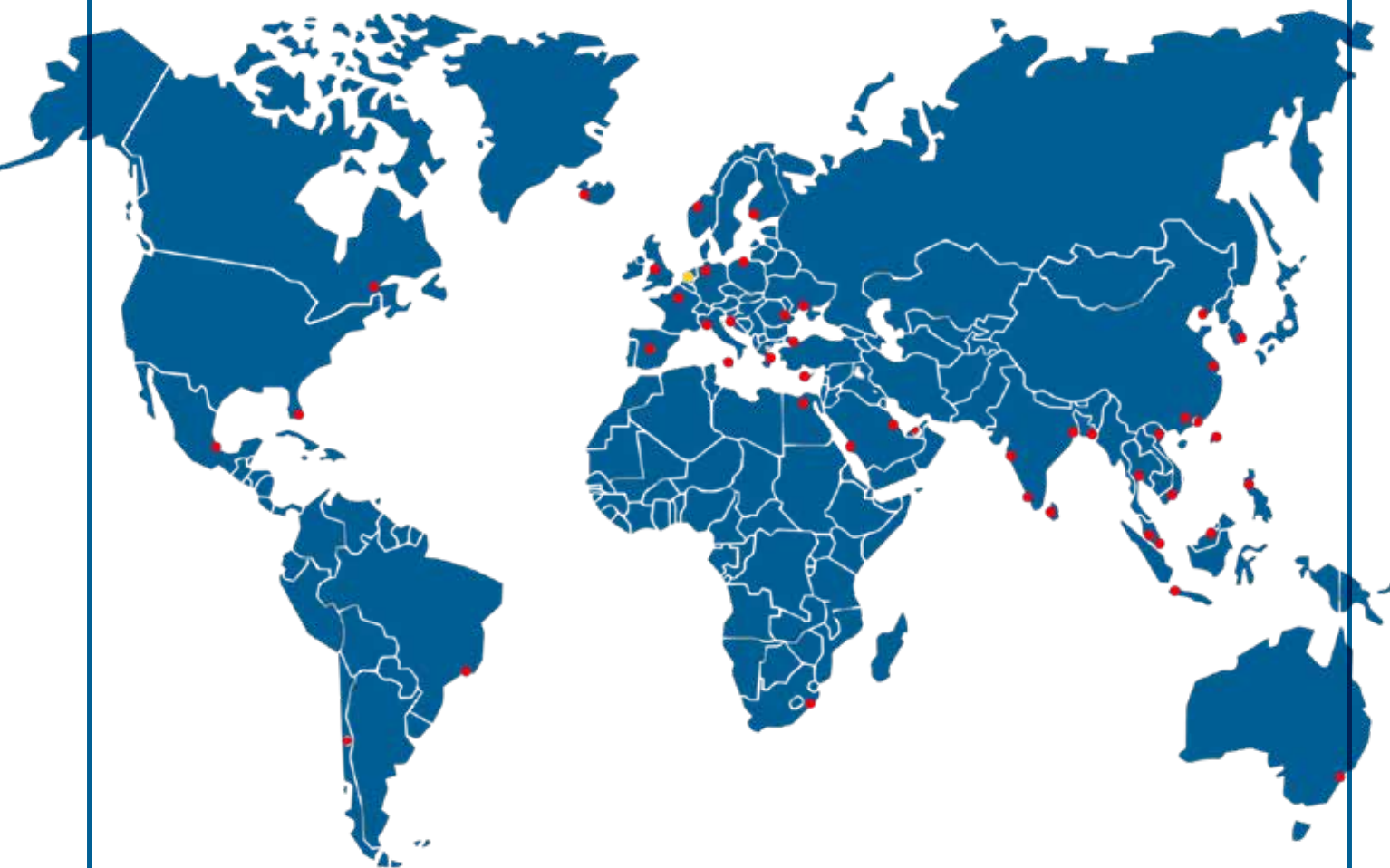


AUXILIARIES

- Control cabinets
- Filters
- Separators
- Pressure vessels
- Pressure reducers



DENO COMPRESSORS WORLDWIDE



Founded in 1918

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