

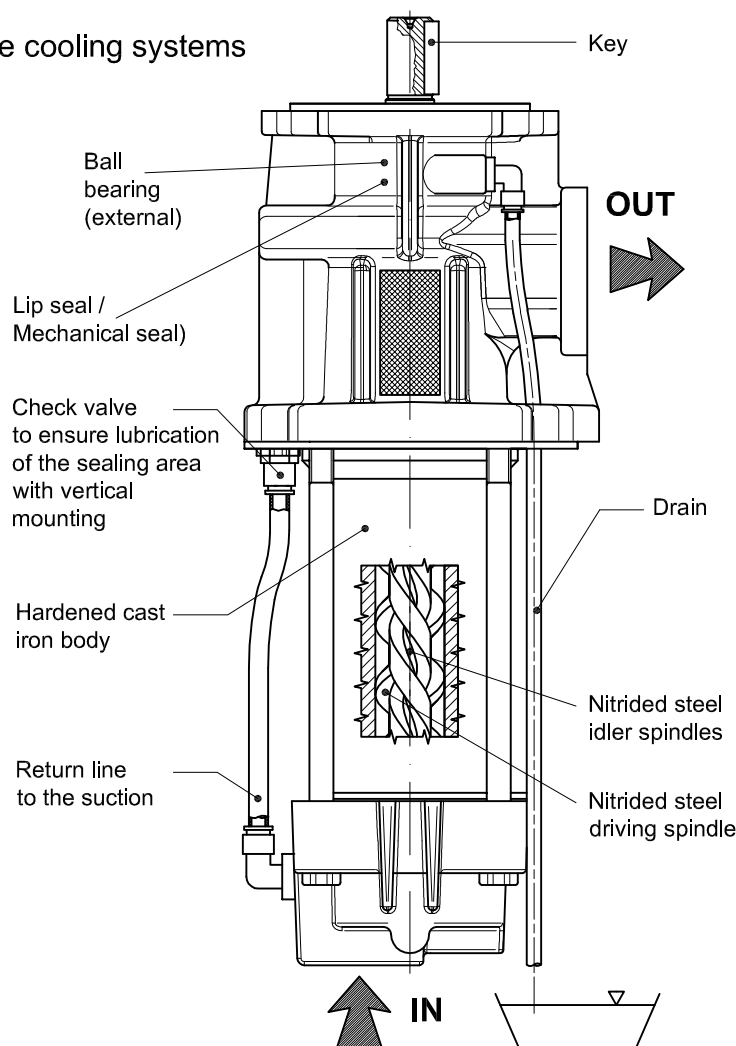
Screw pumps PWO

For cooling lubricants with low viscosity
and minimum lubricating properties (minimum oil: 4%)
Admissible delivery pressure (continuous) = 100 bar at 2900 rpm.

Main field of application

Machine tools high pressure cooling systems

Section and components



Functional characteristics standard version

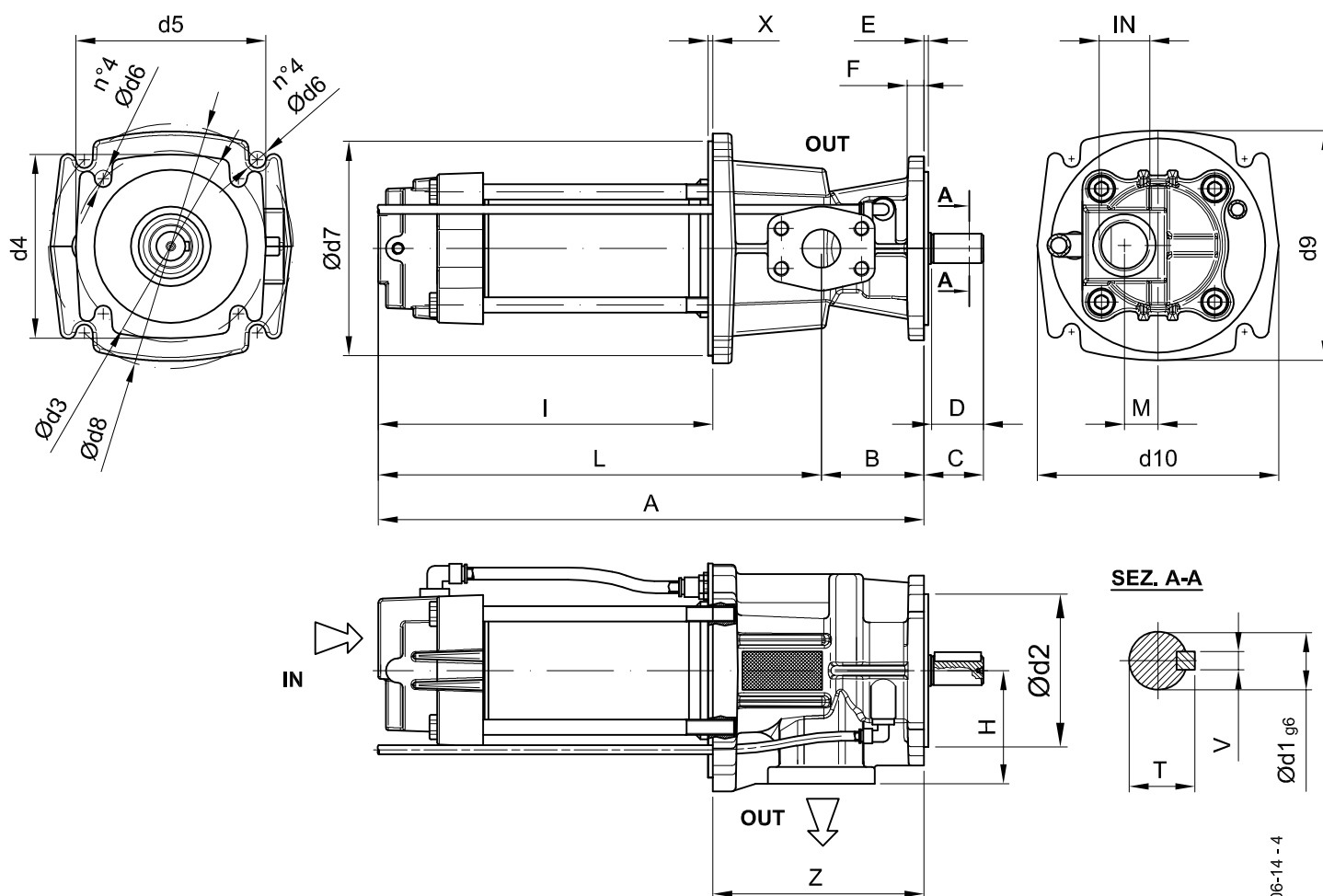
Delivery flow	14 to 600 l/min (3,7 to 159 USGPM)
Admissible delivery pressure *	up to 100 bar (1450 psi) 2900 to 3500 rpm
Admissible suction pressure	-0,5 to 10 bar (-7,3 to 145 psi) (with mechanical seal) 0 to 2 bar (0 to 29 psi) (with lip seal) For different values contact SEIM
Kinematic viscosity	emulsion (min:4% oil) and cutting oils: 1 to 20 cSt contact SEIM for different viscosity or type of fluids
Admissible temperature	0 to 100 °C (32 to 212 °F) For different values contact SEIM
Driving speed	2900 to 3500 rpm (contact SEIM for use with VFD)
Average noise level	60 - 75 dB(A) at 2900 rpm according to pump dimension
Recommended filtration	40 micron max, suction side (not abrasive contaminant) ISO 4406 19/16 - NAS 10
Direction of rotation	clockwise, as seen from the driving side

* Reduced pressure limits apply due to fluid viscosity and driving speed.
Consult the performance charts for the individual pump size.
For different functional characteristics, please contact our sales department.

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SD - STE - PWO - ENG - 06-14 - 4

Dimensional chart (mm)

MODEL	A	B	C	D	E	F	H	I	L	M	IN	OUT	T	V	d1	d2	d3	d4	d5	d6	d7	X	d8	d9	d10	Z
PWO025	357	67	39	34	3	10	74	219	290	22	1" GAS	1" SAE	21,5	6	19	100	125	120	124	12	140	3	160	150	158	138
PWO029	357	67	39	34	3	10	74	219	290	22	1" GAS	1" SAE	21,5	6	19	100	125	120	124	12	140	3	160	150	158	138
PWO032	400	67	39	34	3	10	74	262	333	22	1" GAS	1" SAE	21,5	6	19	100	125	120	124	12	140	3	160	150	158	138
PWO040	484	102	49	40	7	15	81	312	383	42	1 1/2" GAS	1 1/2" SAE	27	6	22	125	160	154	158	14	180	6	215	203	211	173
PWO045	534	102	49	40	7	15	81	362	433	42	1 1/2" GAS	1 1/2" SAE	27	8	24	125	160	154	158	14	180	6	215	203	211	173
PWO055	613	161.5	64	55	8	15	100	380	451	72	3" GAS	2" SAE	35	10	32	125	160	173	175	14	235	6	265	249	257	232.5
PWO060	667	161.5	64	55	8	15	100	434	505	72	3" GAS	2" SAE	35	10	32	125	160	173	175	14	235	6	265	249	257	232.5

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SEIM reserves the right to introduce dimensional changes or variation to the products of this technical data