

Screw pump - PCXA - API III ed



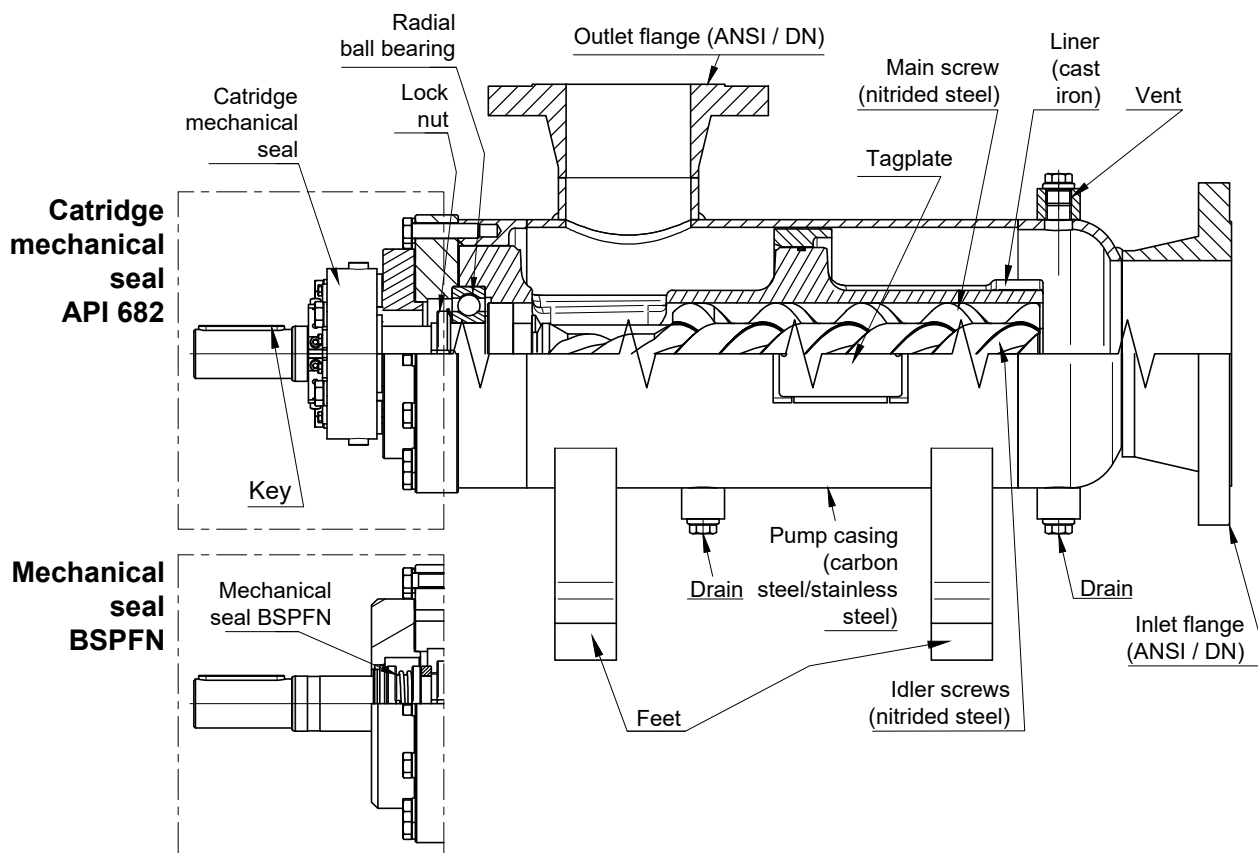
For hydraulic oils, lubricating oils.
 Max Differential pressure (continuous) :
 16 bar at 2900/3600 rpm and 1450/1750 rpm.

Main field of application

Pumps for lubrication system and auxiliary cooling, with steel body. Customized version.

ATEX-Compliance II 2G Ex h IIC T3-T4 Gb X

Section and components



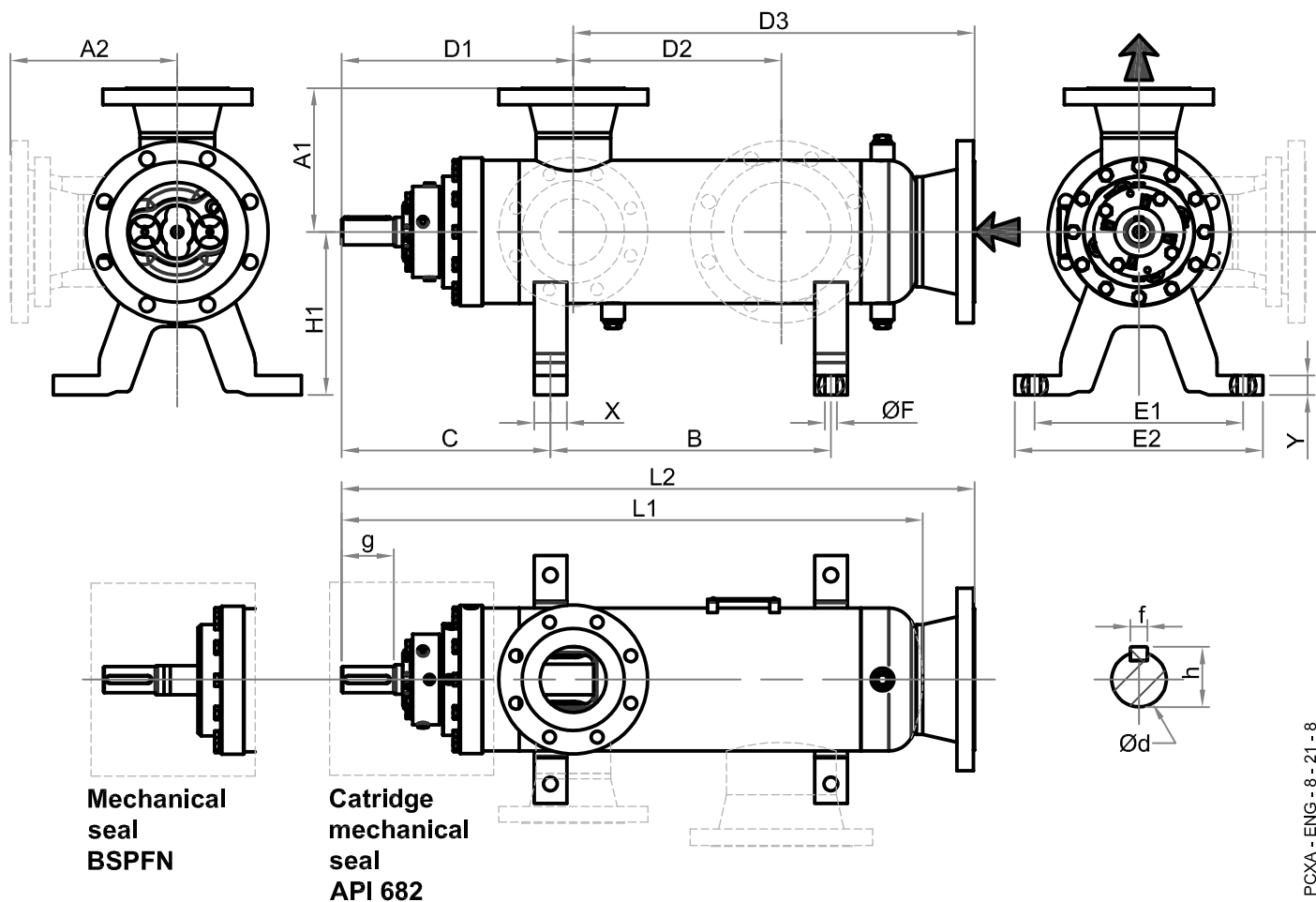
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Functional characteristics standard version

Delivery flow	10 to 5000 l/min (2,6 a 1350 USGPM)
Max differential pressure*	up to 16 bar (232 psi) at 1450 rpm and at 2900 rpm
Admissible suction pressure	-0,5 at 5 bar (-7,3 to 72,5 psi) For different values contact SEIM
Kinematics viscosity	10 to 400 cSt STD (<5000 cSt special) For different values contact SEIM
Max Admissible fluid temperature	Inlet Fluid Temperature T4 max 105°C
Ambient temperature	Standard Material - 20 ÷ +55°C Special Material - 55 ÷ +60°C
Driving speed	750 to 3600 rpm (1750 for 083 - 126 - 156)
Average noise level	65 ÷ 75 dB(A) at 2900 rpm according to pump dimension
Suction strainer	See Table. 1
Raccomended fluid cleanliness level in the system	See Table. 2
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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Inlet flange can be set at 90° or 180° or top or in line.
 Outlet flange can be set at 90° or 180° or top.
 N.B. : per le altre misure contattare SEIM.

Dimensional chart (mm)

Pump size	A1	A2	B	C	D1	D2	D3	E1	E2	ØF	H1	L1	L2	X	Y	Ød	f	g	h	IN	OUT	VENT & DRAIN
25	150	150	145	203	207	125	308,5	220	280	14	132	462	516	30	21	14	5	25	16	1"	1"	G 1/2"
32	155	155	155	207	212	135	322	220	280	14	132	473	534	30	21	19	6	40	21,5	1 1/2"	1"	G 1/2"
40	160	160	200	213	242	165	343	220	280	14	132	523	585	30	21					2"	2"	G 1/2"
45	180	180	230	227	238	190	413	220	280	14	160	586,5	651	30	21	30	8	48	33	3"	2"	G 1/2"
55	180	180	265	227	238	210	446	220	280	14	160	616,5	684	30	21					4"	2"	G 1/2"
60	210	210	305	250	271	240	497	220	280	18	180	698	768	40	25					4"	3"	G 1/2"
72	210	210	305	262	283	240	497	220	280	18	180	705	780	40	25	40	12	80	43	4"	3"	G 1/2"
83	220	220	430	320	355	290	615	320	380	22	250	898	970	50	30					6"	4"	G 3/4"
102	255	255	460	323	374	330	657	320	380	22	280	955	1031	50	35	40	12	80	43	6"	4"	G 3/4"
126	285	285	480	324	379	350	717	320	380	22	280	1013	1096	50	35					8"	6"	G 3/4"
156	335	335	580	380	472	425	843	380	460	27	320	1241	1315	50	35	42	12	95	45	10"	10"	G 3/4"

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VISCOSITY	MESH FILTRO
< 5 cSt	60 mesh
< 10 cSt	40 mesh
< 20 cSt	20 mesh
< 200 cSt	Perforation 1/8"
< 500 cSt	Perforation 3/16"
> 500 cSt	Perforation 1/4"

Table 1

PCXA	bar	up to 1450 / 1750 rpm		up to 2900 / 3600 rpm	
		10	16	10	16
25	Bx>1000	10 um		15 um	
32	Bx>1000	10 um		15 um	
40	Bx>1000	20 um		25 um	20 um
45	Bx>1000	20 um		25 um	20 um
55	Bx>1000	20 um		25 um	
60	Bx>1000	25 um			
72	Bx>1000	25 um			
83	Bx>1000	25 um		X	
102	Bx>1000	25 um		X	
126	Bx>1000	25 um		X	
156	Bx>1000	25 um		X	

Table 2

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