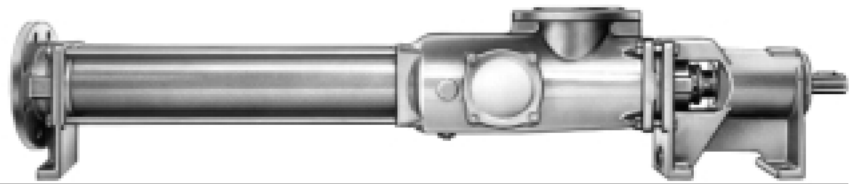




Eccentric Screw Pumps

ALLTRI

Series AED1E Design ID



Applications

For pumping neutral or corrosive liquids, uncontaminated or abrasive liquids, liquids containing gases or which tend to froth and liquids of high or low viscosity including liquids containing fibrous and solid material.

Waste water and waste water treatment engineering, the chemical and petro-chemical industries, the paper and cellulose industries, the soap and fats industry, the paint industry, the food and beverage industry, the plastics industry, ceramics agriculture, the sugar industry and in shipbuilding etc.

Operation

Rotary self-priming, single stage positive displacement pumps whose pumping elements are formed by a rotating eccentric screw (the rotor) and a fixed stator. In any cross sectional plane, the elements are in contact with one another at three points and along the length of the elements these points form three lines of seal.

The material contained in the sealed enclosed cavities which are formed as the rotor turns is displaced axially and with complete continuity from the suction to the delivery end of the pump. Despite the fact that the rotor rotates, no turbulence is produced. The constant volume of the enclosed cavities means that there are no pressurizing forces and thus guarantees a low surge pumping action which is not at all severe on the material being pumped.

Design features

The outlet section, stator and suction casing are held together by external tie-rods. In all sizes the suction casing is designed to have a particularly large flow section. The stator, which is vulcanised into a tubular casing, is provided at both ends with external collars vulcanised to it. These provide a safe seal from the suction casing and outlet section and also protect the stator casing against corrosion.

The pump sizes 300...15500 are provided with staggered cleaning ports. Between the suction casing and bearing housing is situated an interchangeable housing for a stuffing box or mechanical seal (pumps can be converted retrospectively to a different type of seal).

The sealing housings (shaft seals) are easily accessible as the complete bearing bracket can be withdrawn from the drive shaft without any further disassembly of the pump.

The drive shaft is carried in bearings in the bearing housing. The drive torque is transmitted to the rotor via the drive shaft and a coupling rod. The coupling rod terminates at both ends in universal joints which are encapsulated to form a liquid-tight seal. These pin-type universal joints are of particularly simple and rugged design and are able to withstand the eccentric movement of the rotor without any difficulty.

Shaft seals

Shafts are sealed by cooled or uncooled stuffing boxes or cooled or uncooled, non-balanced single or double-acting mechanical seals which require no maintenance.

The type of seal and the material pairings are adapted to suit the particular operating conditions which exist in any given case. For further details see page 4 and 5.

In any given size of pump, the housings for the various types of stuffing box or mechanical seal are interchangeable with one another. The various parts of the housings for mechanical seals form a modular system and can be combined with one another without any difficulty should the pump be converted to a different type of mechanical seal.

Installation spaces for mechanical seals according to DIN 24 960 (except for double mechanical seals). For further details see pages 4, 5, 6 and 7.

Technical characteristics

The output, permitted speed range and drive power required can be taken from the selection chart on page 3 or from the individual pump characteristics.

				AED1E
Flow rate	Q l/min	up to		12000
Temperature for liquid pumped	t °C ①	up to		150
Differential pressure				
single-stage	Δp bar ④	up to		8
Pump discharge pressure	P _d bar ②	up to		16
Suction obtainable	p _s bar ③	up to		0.95
Viscosity	η mPa.s	up to		250,000
Permissible solids content	% by vol. ③	up to		60

The mentioned performance data are to be considered as a product and performance abstract only. The particular operating limits can be taken from the quotation or order acknowledgement.

Max. permissible grain sizes and fiber lengths

Pump size	75	150	300	560	1200
max. grain size mm	4	5	6.3	8	10
max. fibre length mm	42	42	48	60	79

Pump size	2300	4250	7800	15500
max. grain size mm	12.5	16	20	25
max. fiber length mm	98	130	210	250

Increases in solid content and grain sizes mean that the speed of the pump must be reduced.

- ① Depending on liquid pumped and the elastomers used.
- ② Depending on the sense of rotation and inlet pressure.
- ③ Depending on the liquid being pumped, pump speed and pump size.
- ④ 6 bar for shaft with shaft wear sleeve.

Drivers

For possible types of drive see page 12.

Drivers produced by any manufacturer can be used. Technical characteristics and dimensions should be taken from the documentation issued by the manufacturer.

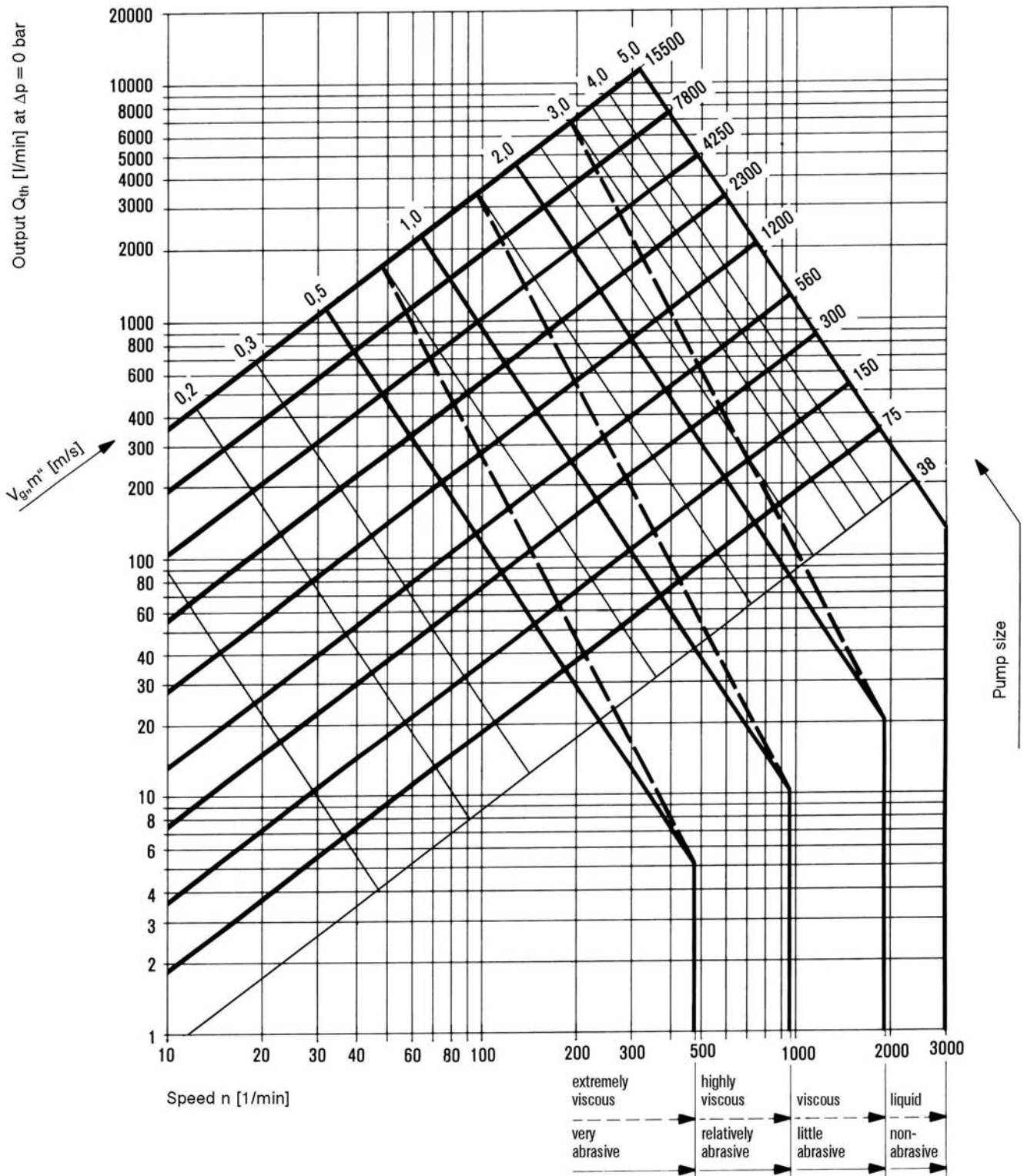
Installation

AED pumps may be installed horizontally or vertically. Vertical installation with the drive down is not permissible.

The pump and driver are connected together via a flexible coupling or an intermediate transmission (generally a belt drive) and are mounted on a common baseplate. Dimensions of assemblies available on request.

Performance graph

For a rough selection of the pump size and speed as a function of the requested delivery and kind of fluid to be pumped. $V_{g,m}$ = available, mean sliding speed of the rotor in the stator.



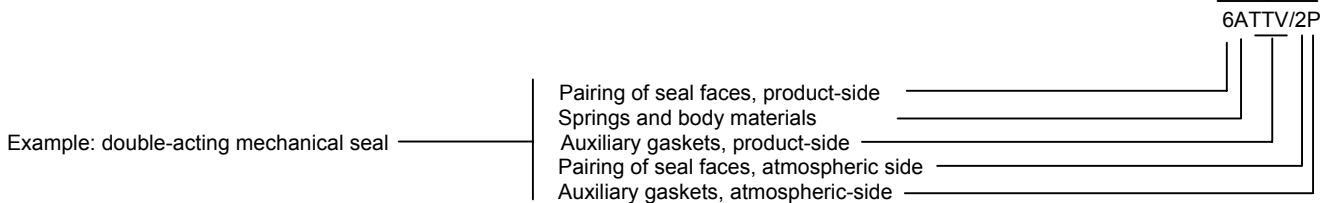
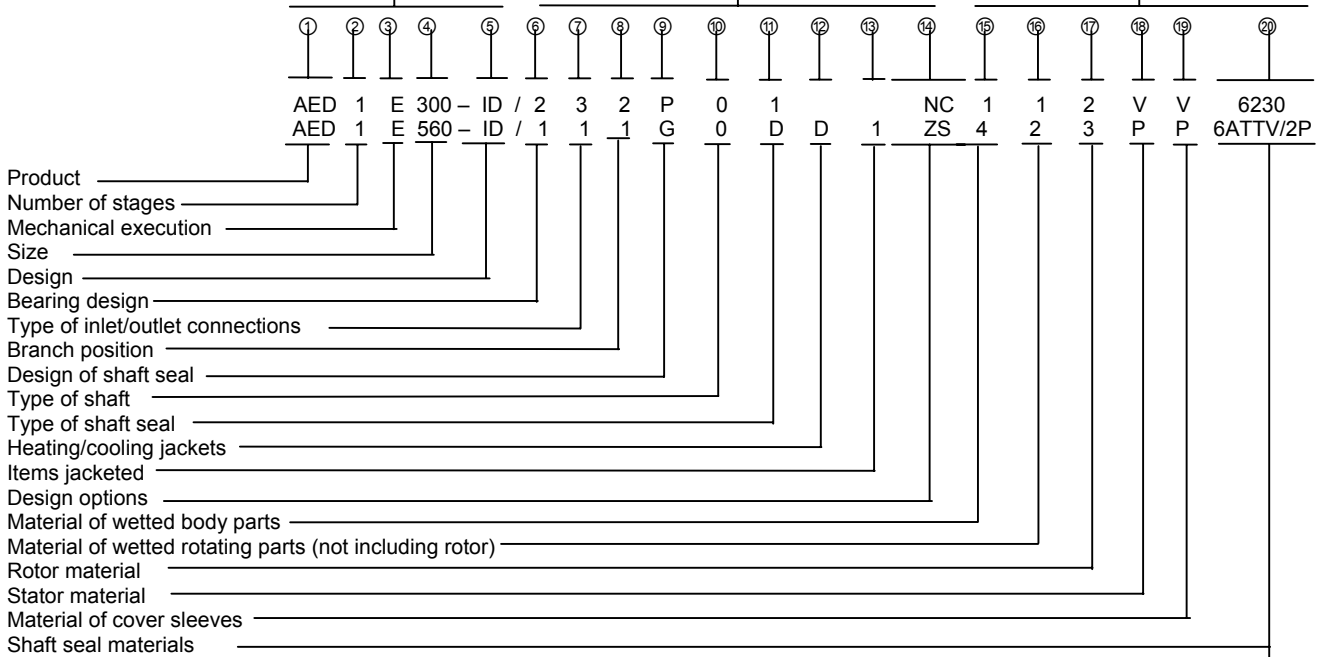
Sizes of the series AED1E. Data on the performance range not covered by AED1E series are to be taken from the last page of this brochure and/or the individual brochures of the other series.
For exact performance data, please refer to the individual characteristics.

Type coding

Material code

Design features (geometry)

Type series

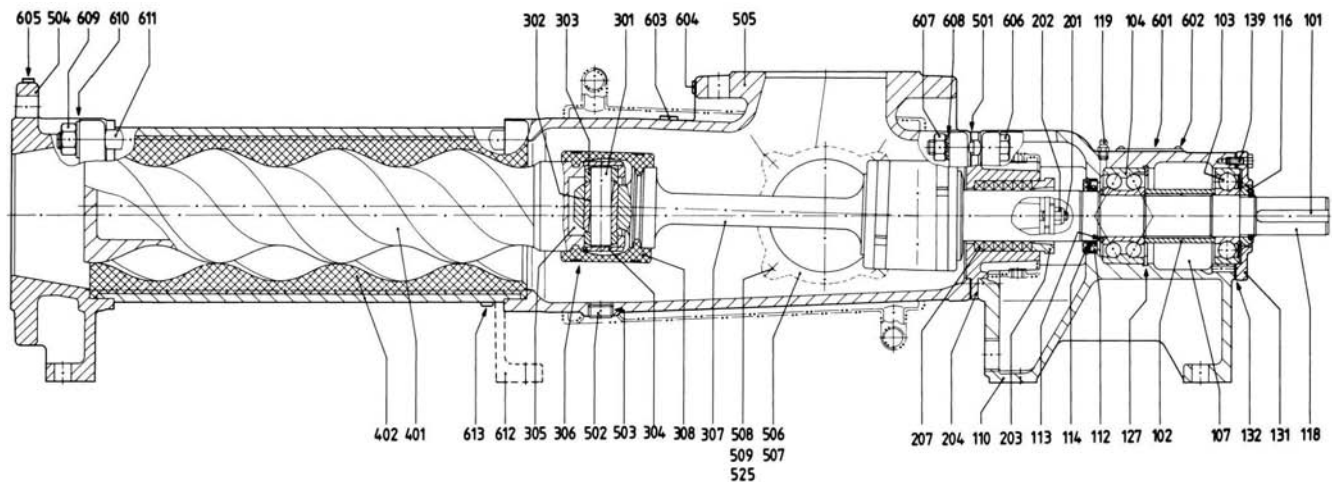


Explanations to the type code:

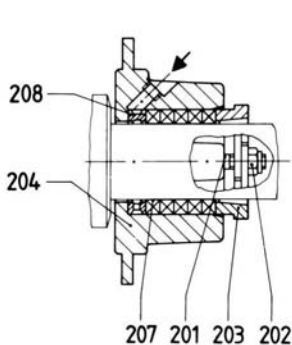
Position in type code	Designation	Design
①	Product	ALLWEILER eccentric screw pumps...
②	Number of stages	1 = single-stage up to delivery pressure Δp 8 bar
③	Mechanical system	E = rated for delivery pressure Δp 8 bar
④	Size	Possible sizes: 75, 150, 300, 560, 1200, 2300, 4250, 7800, 15500. The numbers indicate the theoretic delivery in l/min with $n = 400$ 1/min and $\Delta p = 0$ bar
⑤	Design	ID = Industrial design with internal bearing
⑥	Bearing design	1 = hose-proof, radial bearing drive-side with sealing washer, axial bearing pump-side with lip seal. Both bearings regreasable. For horizontal installation 2 = hose-proof, radial bearing on both sides with sealing washer, axial bearing pump-side with lip seal. Axial bearing regreasable, radial bearing lifetime-lubricated. For vertical installation with shaft upwards.
⑦	Suction and outlet branch design	1 = DIN flanges 3 = ANSI flanges X = Suction and/or delivery branch of special design — according to dimensional sheet, pages 9 and 10
⑧	Branch position	1, 2, 3, 4 – For arrangement please refer to the representation, page 9. Arrangement 3 is not possible for size 75.
⑨	Shaft seal type	P = Stuffing box or other non-mechanical shaft seal G = Mechanical seal (mechanical shaft seal)
⑩	Shaft design	0 = Shaft without shaft sleeve 1 = Shaft with shaft wear sleeve up to $\Delta p = 6$ bar (not possible with pump size 75).
⑪	Shaft seal design	Stuffing boxes P01/P11 = Stuffing box of normal design (without sealing chamber ring / without flushing ring) P02/P12 = Stuffing box with flushing ring P03/P13 = Stuffing box with internal sealing chamber ring P04/P14 = Stuffing box with external sealing chamber ring P0X/P1X = Non-mechanical shaft seal of special design

⑪	Shaft seal design (continued) X = design possible	Mechanical seals										
		for pump sizes		75	150	300	560	1200	2300	4250	7800	15500
		Shaft diameter at the location of the shaft seal		25①	30	35	43	53	60	75	90	110
		G0K/G1K = individual mechanical seal, DIN 24 960, design K, shape U		X①	X	X	X	X	X	X	X	②
		G0N/G1N = as above, however design N		X①	X	X	X	X	X	X	X	-
		G0S/G1S = individual mechanical seal, DIN 24 960, design K, shape U, rotating part with integrated locking device and pump-sided throttling ring		X①	X	X	X	X	X	X	X	②
		G0T/G1T = as above, however design N		X①	X	X	X	-	X	X	-	-
		G0Q/G1Q = individual mechanical seal, DIN 24 960, design K, shape U with quench		X①	X	X	X	X	X	X	X	②
		G0D/G1D = double mechanical seal		①②	②	②	②	②	②	②	②	②
		G0X/G1X = mechanical seal of special design										
		① not available with shaft wear sleeve ② design available on request										
⑫	Double shell	D = Double shell for heating/cooling. available in stainless steel only. Connections as threaded nipples for liquid media. Maximum heating/cooling pressure 6 bar, maximum heating temperature + 150°C, maximum cooling temperature -40°C										
⑬	Double shell design	1 = Suction case with double shell 2 = Stuffing box for P01/P11 with double shell 12 = Suction and shaft sealing housing P01/P11 with double shell X = Special design for other double shells										
⑭	Design variants	Stators (all qualities) N M H T } Rotor with temperature play as a function of the temperature of the fluid pumped										
		J = Rotor hollow S = Worm on joint shaft C = Rotor hard chromium-plated W = Winding protection on joint shaft Y = Rotor ductile hard chromium-plated X = other designs Z = Rotor metallurgically coated										
⑮	Suction and delivery casing in contact with fluid, materials	1 = cast iron EN-GJL-250 3 = cast iron EN-GJL-250, inside H-rubberized 4 = 1.4408/1.4571 A = 1.4462 X = Special materials										
⑯	Driving shaft, joint shaft casing in contact with fluid, materials	1 = 1.4021/1.4571 2 = 1.4301/1.4571 4 = 1.4571 A = 1.4462 X = Special materials, i.e. also for articulated components										
⑰	Rotor materials	2 = 1.4301 3 = 1.2436/1.2379		4 = 1.4571 X = Special materials, e.g. other metals, plastic materials		A = 1.4462						
⑱	Stator materials	WB= Caoutchouc soft/butadiene (NR/BR) P = Acrylonitrile-butadiene rubbers (NBR)		V = Fluoroelastomer (FPM) HP = Acrylonitrile-butadiene rubbers, hydrated (HNBR) SL = Silicon bright (MVQ) Y = Chlorosulfonated polyethylene (CSM)		PU = Polyurethan E = EPDM X = Special materials						
⑲	Joint sleeve materials	P = Acrylonitrile-butadiene rubbers (NBR) PL = Acrylonitrile-butadiene rubbers (NBR) N = Polychloroprene (N)		Y = Chlorosulfonated polyethylene (CSM) V = Fluoroelastomer (FPM) B = Butyl caoutchouc (IIR)		X = Special materials						
⑳	Shaft seal materials	Stuffing box: 5846 = Ramie fiber with PTFE impregnation, asbestos-free 6426 = Aramid endless fiber with PTFE impregnation, asbestos-free 6230 = Graphite-incorporated PTFE with sliding means, asbestos-free										
		Mechanical seal:										
		Sliding material pairing		Spring and constr. materials			Auxiliary gaskets					
		1st point for single gasket 1st + 4th point for double gasket		2nd point			3rd point for single gasket 3rd + 5th points for double gasket					
		2 = CrMo cast iron/hard carbon 4 = Ceramics/hard carbon 5 = Hard metal/hard metal, highly wear-resistant 6 = Silicon carbide/silicon carbide highly wear-resistant, corrosion-resistant 7 = Silicon carbide/silicon carbide highly wear-resistant, highly corrosion-resistant X = Special materials		A = 1.4300 F = 1.4571 L = Hastelloy B M = Hastelloy C4 X = Special materials			P = Acrylonitrile-butadiene rubbers (NBR) ①double E = EP caoutchouc PTFE-coated S = Silicon caoutchouc N = Polychloroprene (N) V = Fluoroelastomer (FPM) TTE = EP caoutchouc ① TTV = Fluoroelastomer (FPM) ① TTS = Silicon caoutchouc① X = Special materials					

Sectional drawing and parts list

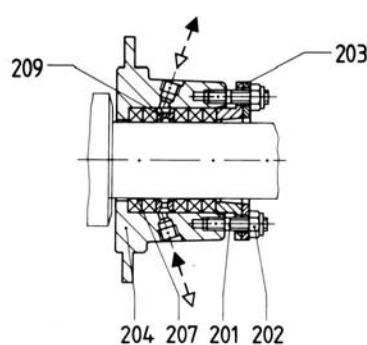


- Bearing 1: Hose-proof, radial bearing, on drive-side with sealing washer; axial bearing on pump-side with lip seal.
Both bearings regreaseable. For horizontal installation only.
- Shaft seal **P01**: Particularly long packing allows use in a wide variety of applications.
Permissible pressure at the shaft seal $p = -0,7$ to 16 bar.



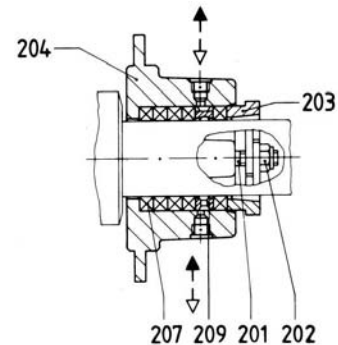
P02 Stuffing box with
flushing ring

Suitable for highly abrasive
liquids, with external flushing
 $p = -0,7$ to 12 bar



P03 stuffing box with internal
lantern ring

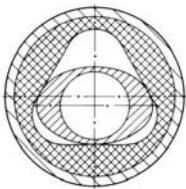
Suitable for uncontaminated
liquids with internal liquid sealing
or for abrasive liquids with
external flushing
 $p = -0,8$ to 6,0 bar



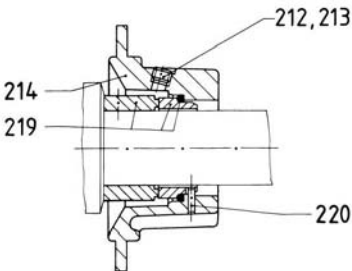
P04 Stuffing box with external
lantern ring

For use where the external flushing
liquid is not compatible with the
pumped liquid or where the ingress
of air is to be prevented
 $p = -0,9$ to 12 bar

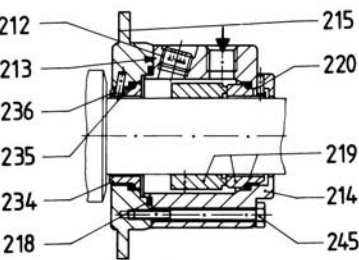
Part No.	Denomination	Part No.	Denomination	Part No.	Denomination
101	Key	127	Retaining circlip	212	Screwed plug
102	Spacer sleeve	129	Distance ring	213	Gasket
103	Radial bearing	131	Bearing cover	214	Mechanical seal housing
104	Axial bearing	132	Gasket	215	Mechanical seal cover
107	Bearing grease	139	Hexagon head bolt	218	O-ring
110	Bearing housing	201	Stud	219	Mechanical seal
112	Lip seal	202	Self-locking nut	220	Retaining pin
113	Spacer ring	203	Gland half	232	Lip seal
114	Thrower	204	Stuffing box housing	234	Throat bushing
115	O-ring	206	Shaft wear sleeve	235	O-ring
116	Bearing nut	207	Stuffing box packing	236	Retaining pin
118	Driving shaft	208	Flushing ring	245	Hexagon head bolt
119	Grease nipple	209	Lantern ring	251	Sealing compound



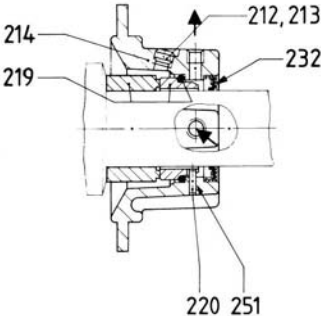
Geometry of pump elements
series AED1E



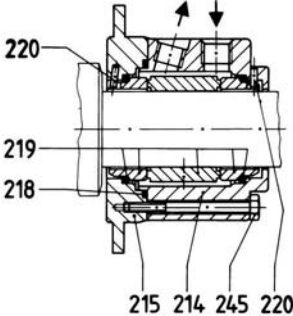
G0K/G0N Single acting mechanical seal, DIN 24 960, K/N design, U shape.
For application details consult manufacturer
P = -0,5 to 16 bar



G0S/G0T Single acting mechanical seal, DIN 24 960, K/N design, U shape, rotating part with integrated locking device, with flushing liquid connection and pump-side throat bushing.
For application details consult manufacturer
p = -0,5 to 16 bar



G0Q Single acting mechanical seal, DIN 24 960, K design, U shape, with quench.
For application details consult manufacturer
p = -0,5 to 16 bar



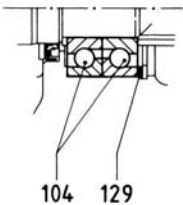
G0D Double acting mechanical seal, with sealing liquid connection.
For application details consult manufacturer
p = -0,95 to 16 bar

Part No.	Denomination
301	Coupling rod pin
302 ①	Coupling rod bush
303	Guide bush
304	Retaining sleeve
305	Joint grease
306	Clamping band
307	Coupling rod
308	Cover sleeve
401	Rotor
402	Stator
501	Suction casing gasket
502	Screwed plug
503	Sealing tape

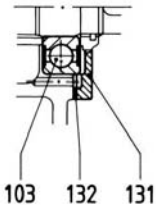
Part No.	Denomination
504	Discharge casing
505	Suction casing
506	Inspection cover
507	Gasket
508	Stud
509	Hexagon nut
525	Washer
601	Name plat
602	Dome headed grooved pin
603	Instruction label for commissioning
604	Suction label
605	Discharge label

Part No.	Denomination
606	Hexagon head bolt
607	Hexagon nut
608	Locking washer
609	Hexagon nut
610	Washer
611	Tie rod
612	Supporting foot
613	Hexagon head bolt

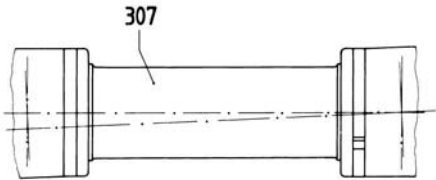
① not applicable for size 75



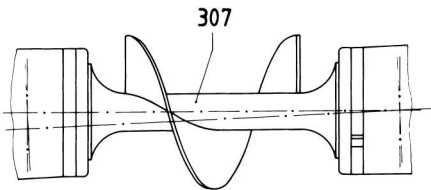
Bearing design 1 for size AED1E 2300 and above axial bearing with two single-row angular contact ball bearings



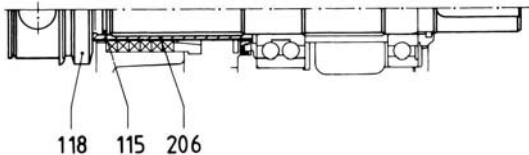
Radial bearing design in case of bearing 2 (for vertical installation with shaft upwards only)



Coupling rod with large diameter sleeve (to minimize rag build-up)

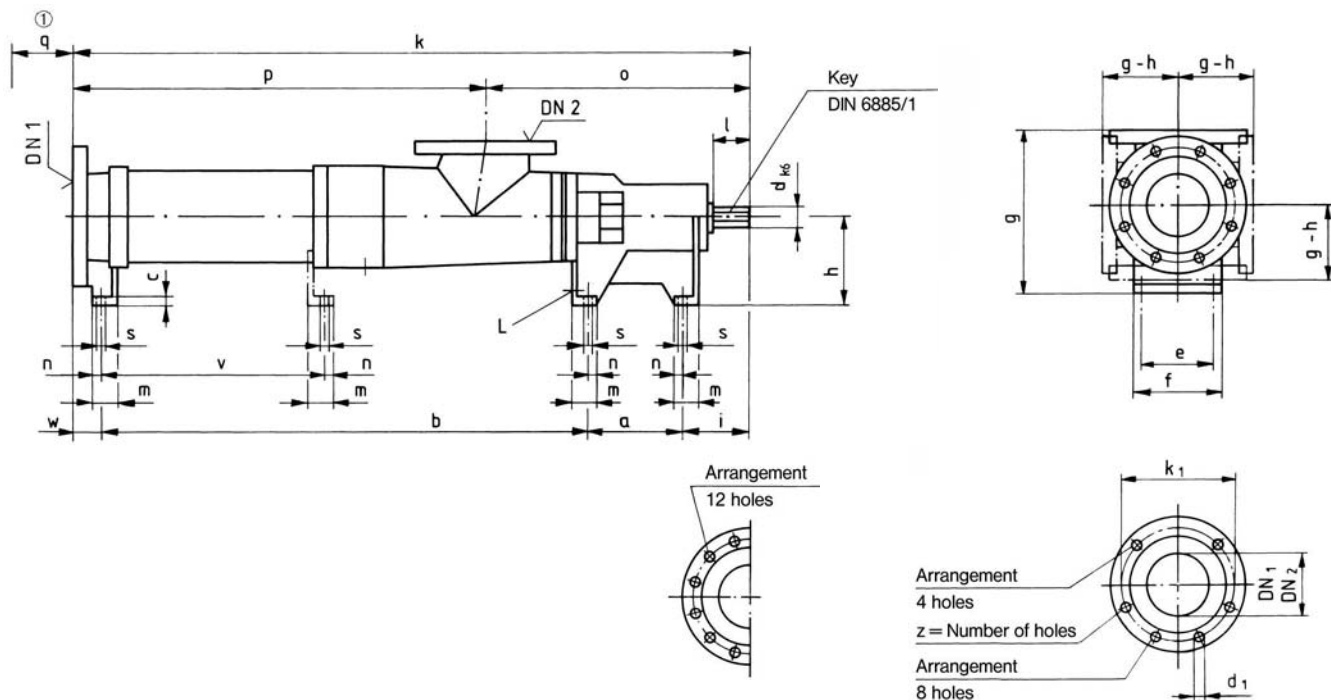


Auger on coupling rod



Shaft with shaft wear sleeve from size AED1E 150 and above for all shaft seal designs possible

Pump dimensions, auxiliary connections, possible branch positions, weights



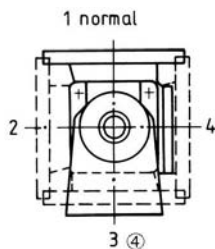
Dimensions in mm, nominal width of ANSI flanges (DN) in inches. Subject to alteration.

Sense of rotation: normally counter-clockwise as seen from the, driving side, with DN₁ = outlet branch, DN₂ = suction branch, change of rotation possible, then, DN₁ = suction branch, DN₂ = outlet branch

Series Size	Pump dimensions																Max. weight kg
	a	b	c	d	e	f	h	i	l	m	n	o	① q	s	L	v	
AED1E 75-ID	114	446	10	18	75	95	90	65	30	30	11	278	165	9	Rp 3/8	-	25
AED1E 150-ID	122	538	10	22	85	105	100	79	40	30	11	316	205	9	Rp 3/8	-	36
AED1E 300-ID	140	676	13	28	100	125	125	95	50	38	13	378	270	11,5	Rp 1/2	-	57
AED1E 560-ID	151	807	15	32	114	140	140	106	60	40	14	422	330	14	Rp 3/4	-	77
AED1E 1200-ID	171	1013	16	42	132	168	160	118	65	50	19	492	425	18	Rp 3/4	-	113
AED1E 2300-ID	190	1231	16	48	164	200	180	130	75	50	19	546	530	18	Rp 3/4	-	205
AED1E 4250-ID	220	1505	21	60	200	245	225	158	90	63	23	669	650	22	Rp 1	-	266
AED1E 7800-ID	266	1862	24	75	245	290	250	182	110	65	23	792	790	22	Rp 1	-	513
AED1E15500-ID	320	2327	29	95	290	350	280	215	130	80	30	947	1020	27	Rp 1	1200	824

① Stator-dismantling dimension

Possible branch positions as seen from the drive



Flange dimensions							
DIN 2501, PN 16 ⑤				ANSI B16.1/16.5, Class 125/150 ③			
DN ₁ /DN ₂	k ₁	d ₁	z	DN ₁ /DN ₂	k ₁	d ₁	z
50	125	18	4	2	120.6	19	4
65	145	18	4	2½	139.7	19	4
80	160	18	8	3	152.4	19	4
100	180	18	8	4	190.5	19	8
125	210	18	8	5	215.9	22.2	8
150	240	22	8	6	241.3	22.2	8
200	295	22	12	8	298.4	22.2	8
250	355	26	12	10	361.9	25.4	12
300	410	26	12	12	431.8	25.4	12

③ not for series/size

Series Size		Mating dimensions for suction and discharge connections																	
		Flanges DIN 2501, PN 16 ⑤						Flanges ANSI B16.1, Class 125 ③						Flanges ANSI B16.5, Class 150③					
DN ₁	DN ₂	② k	② p	② w	② g	DN ₁	DN ₂	② k	② p	② w	② g	DN ₁	DN ₂	k	p	w	g		
AED1E	75-ID	50	50	668	390	43	175	2	2	664	386	39	171	2	2	668	390	43	175
AED1E	150-ID	65	65	785	469	46	190	2 ½	2 ½	784	468	45	189	2 ½	2 ½	789	473	50	194
AED1E	300-ID	80	80	956	578	45	230	3	3	954	576	43	228	3	3	959	581	48	233
AED1E	560-ID	100	100	1108	686	44	260	4	4	1110	688	46	262	4	4	1110	688	46	262
AED1E	1200-ID	125	125	1346	854	44	300	5	5	1346	854	44	300	5	5	1346	854	44	300
AED1E	2300-ID	150	150	1610	1064	59	350	6	6	1610	1064	59	350	6	6	1610	1064	59	350
AED1E	4250-ID	200	200	1947	1278	64	425	8	8	1947	1278	64	425	8	8	1947	1278	64	425
AED1E	7800-ID	250	250	2390	1598	80	485	10	10	2390	1598	80	485	10	10	2690	1598	64	485
AED1E	15500-ID	300	300	2935	1988	73	560	12	12	2935	1988	73	560	12	12	2935	1998	73	560

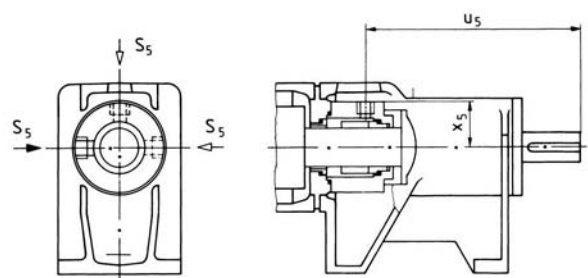
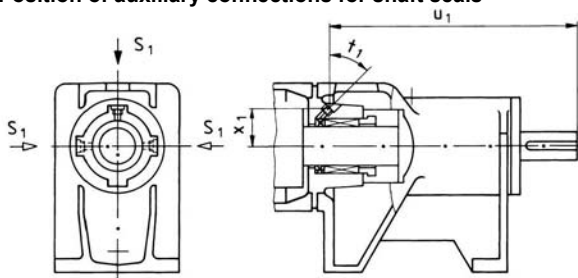
② for rubber-coating + 3 mm

⑤ up to DN 100 sealing surface DIN 2526 shape C, machined as shape A

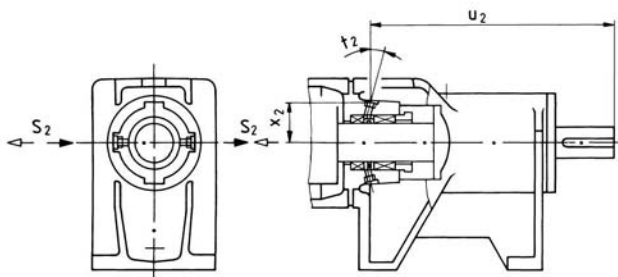
③ Sealing surface: stock finish

from DN 125 sealing surface DIN 2526 shape A

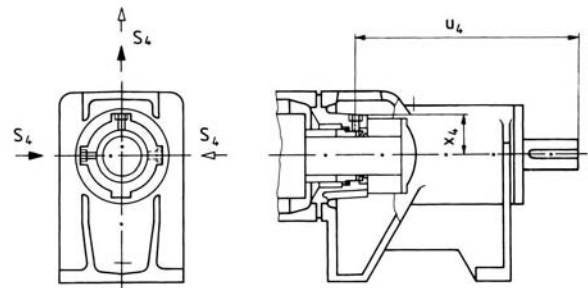
Position of auxiliary connections for shaft seals



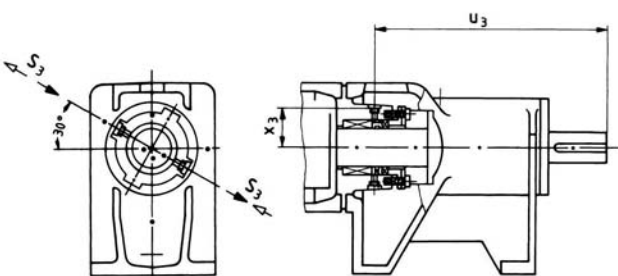
P02, P12 with flushing ring



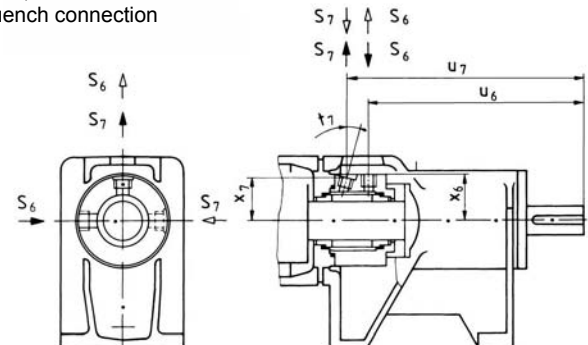
G0S/G0T, G1S/G1T with flushing connection



P03, P13 with internal lantern ring



G0Q, G1Q with quench connection



P04, P14 with external lantern ring

G0D, G1D with seal liquid connection

Series Size	Mating dimensions auxiliary connections for shaft seals										
	P02, P12 with flushing ring				P03, P13 with internal lantern ring				P04, P14 with external lantern ring		
	S ₁ ⊗	u ₁	x ₁	t ₁	S ₂ ⊗	u ₂	x ₂	t ₂	S ₃ ⊗	u ₃	x ₃
AED1E 75-ID	M 8 x 1	195,5	28	42°	M 8 x 1	188	30	20°	M 8 x 1	180.5	30.5
AED1E 150-ID	M 8 x 1	217	31.5	40°	M 8 x 1	211	32	20°	M 8 x 1	202.5	33.5
AED1E 300-ID	Rp 1/8	255	38	42°	Rp 1/8	248	40	17°	Rp 1/8	236	39.5
AED1E 560-ID	Rp 1/8	279	42	42°	Rp 1/8	272	44	17°	Rp 1/8	261	43.5
AED1E 1200-ID	Rp 1/8	316	52	42°	Rp 1/8	307	54	17°	Rp 1/8	292.5	54.5
AED1E 2300-ID	Rp 1/8	349	56	35°	Rp 1/8	338.5	57	13°	Rp 1/8	322.5	58
AED1E 4250-ID	Rp 1/8	416	67	35°	Rp 1/4	403	68.5	13°	Rp 1/4	383	69.5
AED1E 7800-ID	Rp 1/4	492	77	35°	Rp 1/4	474.5	79	13°	Rp 1/4	451	80
AED1E15500-ID	Rp 1/4	588	94.5	35°	Rp 1/4	568.5	97	13°	Rp 1/4	542	97

Series Size	Mating dimensions auxiliary connections for shaft seals												
	G0S/G0T, G1S/G1T with flushing connection			G0Q, G1Q with quench connection			G0D, G1D with seal liquid connection						
	S ₅ ⊗	u ₅	x ₅	S ₄ ⊗	u ₄	x ₄	S ₆ ⊗	S ₇ ⊗	u ₆	u ₇	x ₆	x ₇	t ₇
AED1E 75-ID	Rp 1/4	157	34	Rp 1/8	167	30.5	Rp 1/4	Rp 1/4	157	182.5	34	33	15°
AED1E 150-ID	Rp 1/4	179	38	Rp 1/8	187.5	30.5	Rp 1/4	Rp 1/4	179	204.5	38	36.5	15°
AED1E 300-ID	Rp 1/4	220.5	41.5	Rp 1/8	230	33.5	Rp 1/4	Rp 1/4	220.5	245.5	41.5	40	15°
AED1E 560-ID	Rp 3/8	241	48.5	Rp 1/8	255	41	Rp 3/8	Rp 3/8	241	266	48.5	47	15°
AED1E 1200-ID	Rp 3/8	280	56	Rp 1/8	287	54	Rp 3/8	Rp 3/8	280	305.5	56	53.5	20°
AED1E 2300-ID	Rp 3/8	297	61	Rp 1/8	315.5	57.5	Rp 3/8	Rp 3/8	297	337.5	61	58.5	20°
AED1E 4250-ID	Rp 3/8	364	71.5	Rp 1/4	375.5	68.5	Rp 3/8	Rp 3/8	364	406	71.5	69	22°
AED1E 7800-ID	Rp 3/8	440.5	81	Rp 3/8	446	79	Rp 3/8	Rp 3/8	440.5	479.5	81	78.5	20°
AED1E15500-ID	Rp 3/8	527	98	Rp 3/8	542	96	Rp 3/8	Rp 3/8	527	576	98	95.5	25°

⊗ Threaded connection DIN 3852, shape Z

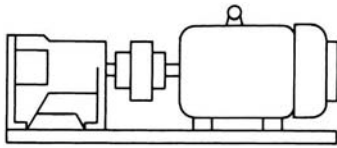
► Standard flow direction

▷ Possible flow direction, for these purposes, the seal

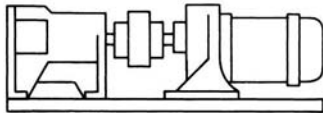
housing must be turned in case of shaft seal type

P02/P12, G0S/G1S, G0T/G1T, G0Q/G1Q, G0D/G1D.

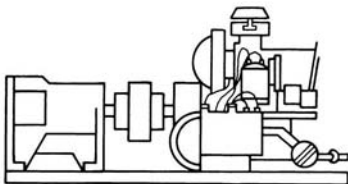
Driving possibilities



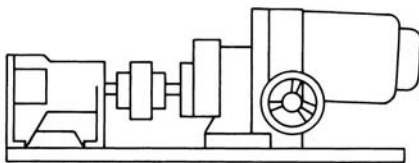
1 AED-ID with flexible coupling and electric motor



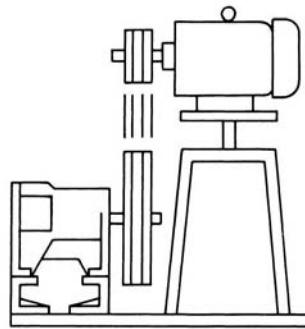
2 AED-ID with flexible coupling and geared motor



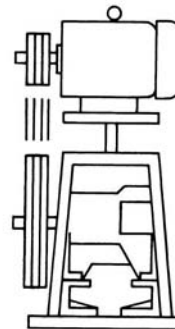
3 AED-ID with flexible coupling and internal combustion engine



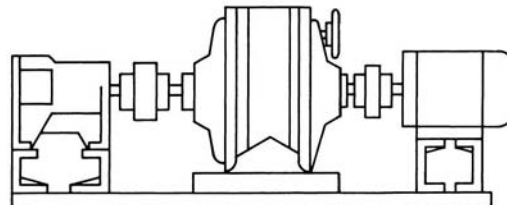
6 AED-ID with flexible coupling and infinitely variable speed drive



4 AED-ID with V-belt drive, adjustable motor platform and motor situated behind the pump



5 AED-ID with V-belt drive, adjustable motor platform and motor situated above the pump



7 AED-ID with flexible coupling, gear box or variable speed gear, flexible coupling and motor

Further drive options (e.g. hydraulic or pneumatic drives) are possible.

Range of eccentric screw pumps	Series	Number of stages	Maximum output at $\Delta p = 0$ bar		Maximum del. pressure bar	Maximum viscosity mPa·s
			m ³ /h	l/min		
	AE.E-ID	1,2	450	7500	10	300.000
	AE.N-ID	1,2	290	4850	16	270.000
	AE.H-ID	2,4	174	2900	24	270.000
	AEB.E-IE	1,2	174	2900	6	300.000
	AEB.N-IE	1,2	111	1850	12	270.000
	AEB4H-IE	4	12	200	24	270.000
	AED.E-ID	1	720	12000	8	250.000
	AED.N-ID	2	450	7500	16	225.000
	AEDB.E-IE	1	258	4300	6	250.000
	AEDB.N-IE	2	174	2900	12	225.000
	AE.N_-RG	1,2,4	30	500	20	1.000.000
	TECFLOW	1	186	3100	4	200.000
	SEZP	1,2	21	350	10	1.000.000
	SNZP	1,2	45	750	12	1.000.000
	SNZBP	1,2	45	750	12	1.000.000
	SSP	1,2	48	800	12	150.000
	SSBP	1,2	48	800	12	150.000
	SETP ^①	1,2	140	2350	10	300.000
	SETBP	1,2	40	670	10	150.000
	SEFBP	1	40	670	6	150.000
	SMP	1	40	670	6	150.000
	SMP2	1	5,5	92	6	11.500
	AFP	1	2,8	47	6	50.000
	ANP	2	2,5	42	12	20.000
	ANBP	2	2,5	42	12	20.000
	ASP	2	2,5	42	12	20.000
	ASBP	2	2,5	42	12	20.000
	ADP	3	0,6	10	12	20.000
	ADBP	3	0,6	10	12	20.000
	ACNP	1,2	29	480	12	150.000
	ACNBP	1,2	29	480	12	150.000

① Special versions for higher pressures available.

Peristaltic range	Series	Maximum output		Maximum del. pressure bar	Maximum viscosity mPa·s
		m ³ /h	l/min		
	ASL	2,4	40	4	100.000
	ASH	60	1000	15	100.000

Macerator range	Series	Maximum throughput	Generated delivery head
		m ³ /h	m
	AM ... S-1	80 at 3 % solids	3
	ABM ... S-1	80 at 3 % solids	3
	AM ... I-1	160 at 3 % solids	-
	ABM ... I-1	80 at 3 % solids	-

Accessories

Pump accessories: Stator setting devices, electrical heaters, bridge breakers.

Drivers: Electric motors, geared motors, variable speed transmissions, reduction gearboxes, internal combustion engines, pneumatic and hydraulic drives.

Transmission components: Couplings, V-belt transmissions, toothed belt transmissions, other types of transmission.

Base plates: Standard and special versions, wheeled trolleys, mounting flanges.

Safety arrangements: Bypass lines with safety or regulating valves, systems to guard against dry running (conductive, capacitive, thermal etc.).

Other accessories: Electrical, hydraulic and pneumatic control arrangements, filter systems, metering equipment, seal liquid and circulating systems for shaft seals, valves, flanges, flexible pipes.

Subject to technical alterations.



A COLFAX Business Unit

ALLWEILER AG

Postfach 200123 • 46223 Bottrop

Kirchhellener Ring 77-79 • 46244 Bottrop

Germany

Tel. +49 (0)2045 966-60

Fax. + 49 (0)2045 966-679

E-Mail: service-ge@allweiler.de

Internet: www.allweiler.com

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