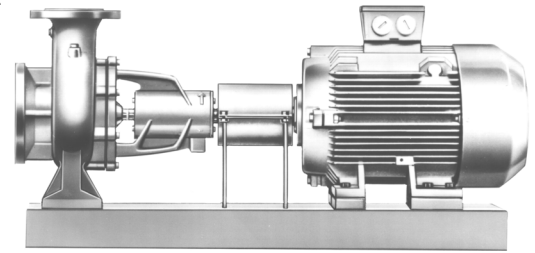


Norm-Centrifugal Pumps PN 10 Series NT



Pump dimensions acc. to DIN EN 733 with additional sizes
Technical requirements acc. to DIN ISO 9905

Application

For pumping pure water, industrial water, sea water, condensate, oils, brines, lyes, hot water. The liquids to be pumped must not contain any abrasive particles nor chemically attack the pump materials.

Main fields of application

In cooling and heating circuits in circulating, water supply, water treatment, irrigation, desalinization, dedusting and spray painting installations as well as in air-conditioning, refrigerating, swimming pool and industrial engineering.

Design and series construction

Horizontal volute casing centrifugal pump with axial inlet, single-flow, single or two-stage, in process design.

Series construction according to the modular system. Shaft bearing in a bearing housing which can be optionally provided with a support foot. With bearing housing size 585 and 700 the foot belongs to serial equipment, with bearing housing size 228 it is generally not available. Stable mounting with feet cast on volute casing.

The additional two-stage pump sizes correspond in their outer dimensions to the respective single-stage sizes. Due to the two-stage design good efficiencies and low NPSH values are achieved at high delivery heads.

Capacity

With the sizes according to DIN EN 733, the pump capacity exceeds the required rated power considerably. By additional sizes, the performance range acc. to DIN EN is increased.

Performance data

Flow	Q	up to	2300 m ³ /h
Delivery head	H	up to	145 m
Temperature of the liquid pumped	t	up to	140 °C
Inlet pressure	p _s	①	
Outlet pressure	p _d	up to	16 bar

① Inlet pressure plus maximum delivery head must not exceed the outlet pressure.

Branch positions and flanges

Suction branch: axial
Delivery branch: radially upwards
Flanges: up to DN 150 acc. to EN 1092-2 PN 16
DN 200 and above acc. to EN 1092-2 PN 10

Shaft coupling and safety guarding

Safety guarding according to DIN EN 294 is supplied as soon as the scope of supply includes pump, base plate and shaft coupling (acc. to DIN 740 with or without spacer element). The safety standards acc. to DIN EN 809 are met.

Shaft sealing

By maintenance-free standard mechanical seal in unbalanced design in different materials (see page 2) or by gland packing.

Bearing and lubrication

By two groove ball bearings acc. to DIN 625, grease-lubricated for the whole service life, bearing clearance C3.

Dismantling of the insert unit

When using the spacer coupling the insert unit can because of the process design be dismantled towards the motor side, whereas the volute casing and the motor may remain on the base plate and the pipes on the volute casing.

Combination of structural components

The table on page 3 shows the combination possibilities of structural components of all NT sizes. The modular system allows reduced stockkeeping of spare parts.

Explosion protection



The pump fulfils the requirements according to EC Explosion Protection Directive 94/9/EG (ATEX 100a) for equipment of equipment group II, category 2 G. Categorisation into temperature classes according to EN 13 463-1 depends on the temperature of the pumped liquid. The max. permissible temperature of the pumped liquid for the respective temperature classes are shown in the specific order data sheet.

Note: In case of the operation of a category 2 pump, the unacceptable heating of the pump surfaces caused by a possible operational fault must be prevented by a control mechanism.

Drive

Standard: surface-cooled, three-phase squirrel-cage motors, IM B3 type of construction, degree of protection IP 55 according to IEC standard, class F insulation. Performances and main dimensions according to DIN 42 673.

Further drive options are possible.

Connections

The following connections are provided:

FD	Draining
FF ②	Filling
LO	Leakage outlet
PM2	Pressure gauge

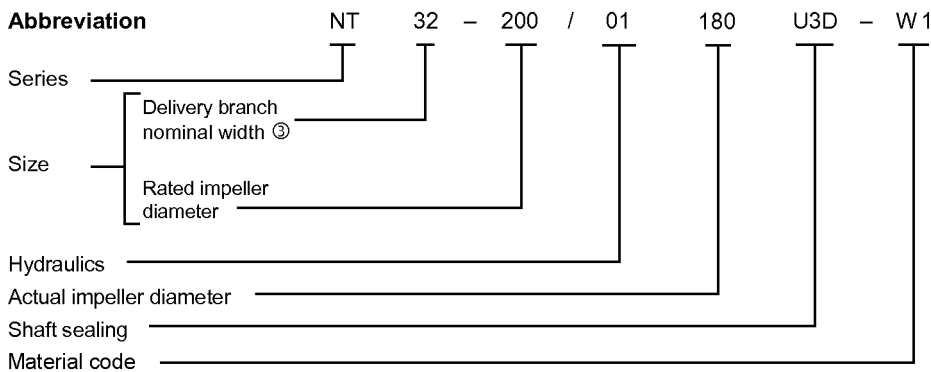
② Connection FF not provided in sizes 20-160/01, 25-200/01 und 2/25-200/01. Refilling possible at connection PM2.

Base plates

Standard: channel steel base plate.

Optionally: massive base plate of cast iron (dimensions acc. to DIN 24 259) with a drip channel for leakage.

Installation dimensions are available in ALLWEILER drawing archive ALL2CAD.



③ With the two-stage additional pump sizes, the number of stages is placed with a slash in front of the delivery branch nominal width, e.g. NT 2/32-200/01...

This abbreviation is entered on the nameplate. With the two-stage additional pump sizes, the actual impeller diameter relates to the second stage.

Shaft sealings with temperature and pressure limits

Valid for all materials of the pumps

Mechanical seal, uncooled	Unbalanced					
	Internal self flushing					
Flushing	Internal self flushing					
Abbreviation	U3D	U3.1D	U3.9D	U3.12D	U3.20D	U3.22D
Rotating ring	hard carbon, resin impregnated		silicone carbide		hard carbon, antimony impregnated	
Stationary ring	oxide ceramics		silicone carbide		silicone carbide	
Metal parts	CrNiMo steel		CrNiMo steel		CrNiMo steel	
O-rings	EPDM	FPM	EPDM	FPM	EPDM	FPM
Bellow	-	-	EPDM	FPM	-	-
Material code DIN EN 12 756	BVEGG	BVVG	Q1Q1EGG	Q1Q1VGG	AQ1EGG	AQ1VGG
Centrifugal pumps at all bearing housing sizes	Admissible temperature (°C) of pumped liquid and pump outlet pressure p _d (bar)					
	°C / bar		°C / bar		°C / bar	
	single-stage	100 / 10	100 / 10 ①	100 / 10	100 / 10 ①	140 / 10
two-stage	100 / 16	100 / 16 ①	100 / 16	100 / 16 ①	140 / 16	140 / 16 ①

① with water max. 90 °C

Other mechanical seal designs upon request.

Gland packing	Uncooled	
	internal	external
Abbreviation	U1B	U1C
Packing rings	graphite-PTFE basis	
Centrifugal pumps at all bearing housing sizes	Admissible temperature (°C) of pumped liquid and pump outlet pressure p _d (bar)	
	°C / bar	
	single-stage	125/10

Materials

Denomination	Part-No.		Material code								
	1 st stage	2 nd stage	W 1	W 2	W 3	W 10	W 18	W 19	W 88	W 97	W 98
Volute casing	102...	102...	EN-GJL-250	EN-GJL-250	CC333G	EN-GJS-400-15	EN-GJL-250	EN-GJL-250	EN-GJS-400-15	EN-GJS-400-15	CC333G
Impeller(s)	230...	230...	EN-GJL-200	CC333G	CC333G	EN-GJL-200	CC333G	EN-GJL-200	CC333G	EN-GJL-200	CC333G
Diffuser	-	171...	EN-GJL-200	CC333G	CC333G	EN-GJL-200	CC333G	EN-GJL-200	CC333G	EN-GJL-200	CC333G
Stage casing	-	108...	EN-GJL-250	EN-GJL-250	CC333G	EN-GJL-250	EN-GJL-250	EN-GJL-250	EN-GJS-400-15	EN-GJS-400-15	CC333G
Casing cover	161...	161...	EN-GJL-250	EN-GJL-250	CC333G	EN-GJS-400-15	EN-GJL-250	EN-GJL-250	EN-GJS-400-15	EN-GJS-400-15	CC333G
Shaft ②	210...	210...	1.4021	1.4021	1.4571	1.4021	1.4571	1.4571	1.4571	1.4571	1.4021
Bearing housing	330...	330...	EN-GJL-250	EN-GJL-250	EN-GJL-250	EN-GJL-250	EN-GJL-250	EN-GJL-250	EN-GJL-250	EN-GJL-250	EN-GJL-250

② With bearing housing size 585 the pump side (liquid contact) in the material stated above and motor side in 1.7139

Combination of structural components

The table below shows the combination possibilities of structural components and parts of the standard sizes including additional sizes. Within a vertical column, parts with identical numbers are interchangeable.

The modular system allows a reduced stockkeeping of spare parts.

Bearing housing size	Pump size		Volute casing	Impeller	Impeller		Diffuser	Stage casing	Intermediate ring	Casing cover	Bearing housing	Shaft	Support foot	Shaft sealing			
	acc. to DIN EN 733	Additional size			1 st stage	2 nd stage								Mechanical seal Ø	Gland packing		
	NT	NT															
228	-	20-160/01	1	1	-	-	-	-	-	1	1	1	-	16	16		
	-	25-160/01	2		-	-	-	-	-	-	1	1	1	-	16	16	
360	-	25-200/01	3	2	-	-	-	-	-	2	2	2	1	30	30		
	-	2/25-200/01		-	1	1	1	1		3		3	1		-		
	32-160/01	-	4	3	-	-	-	-		2		2	2		2	30	
	32-200/01	-	5	4	-	-	-	-		2		2	1		1	-	
	-	2/32-200/01		-	1	1	1	1		3		3	3		1	-	
	40-160/01	-	6	5	-	-	-	-		2		2	2		1	30	
	40-200/01	-	7	6	-	-	-	-		2		2	1		1	30	
	40-250/01	-	8	7	-	-	-	-		1		1	3		3	1	-
	-	2/40-250/01		-	2	2	2	2		4		3	3		3	-	
	50-160/01	-	9	8	-	-	-	-		2		2	1		1	30	
	50-200/01	-	10	9	-	-	-	-		2		2	1		1	30	
	50-250/01	-	11	10	-	-	-	-		1		1	3		3	1	-
	-	2/50-250/01		-	3	2	2	2		4		3	3		3	-	
	65-160/01	-	12	11	-	-	-	-		-		2	2		3	1	30
	65-200/02	-	13	12	-	-	-	-		1		2	2		3	3	30
80-160/01	-	14	13	-	-	-	-	-	2	2	3	3	30				
-	100-160/01	15	14	-	-	-	-	-	2	2	4	4	30				
470	65-250/01	-	16	15	-	-	-	-	-	5	3	4	5	40	40		
	65-315/01	-	17	16	-	-	-	-	2	6							
	-	65-400/01	18	17	-	-	-	-	3	7							
	80-200/02	-	19	18	-	-	-	-	-	8							
	80-250/01	-	20	19	-	-	-	-	2	5							
	80-315/01	-	21	20	-	-	-	-	2	7							
	100-200/01	-	22	21	-	-	-	-	-	5							
	100-250/01	-	23	22	-	-	-	-	-	6							
	100-315/01	-	24	23	-	-	-	-	2	7							
	125-200/01	-	25	24	-	-	-	-	-	8							
	125-250/01	-	26	25	-	-	-	-	-	7							
150-200/01	-	27	26	-	-	-	-	-	8								
530	-	80-400/02	28	27	-	-	-	-	-	6	4	5	9	50	50		
	100-400/02	-	29	28	-	-	-	-	6	9							
	125-315/01	-	30	29	-	-	-	-	6	10							
	125-400/02	-	31	30	-	-	-	-	7	9							
	-	150-250/02	32	31	-	-	-	-	7	10							
	150-315/01	-	33	32	-	-	-	-	6	10							
	150-400/02	-	34	33	-	-	-	-	6	11							
-	200-250/02	35	34	-	-	-	-	7	11								
585	-	200-315/01	36	35	-	-	-	-	-	8	5	6	12	65	65		
	-	200-400/01	37	36	-	-	-	-	8	13							
	-	250-315/01	38	37	-	-	-	-	8	13							
	-	250-400/01	39	38	-	-	-	-	9	14							
	-	300-315/03	40	39	-	-	-	-	9	14							
700	-	300-400/03	41	40	-	-	-	-	-	9	6	7	14	80	80		
	-	300-315/03	40	41	-	-	-	-	-	9	6	7	14	80	80		
		300-400/03	41	42	-	-	-	-	-	9	6	7	14	80	80		

Negligible axial thrust by fine adaptation of the relief bores.

Pressure safe casing parts designed for high reliability of operation.

Flanges according to DIN EN 1092-2 PN 10/16, other flange designs possible.

Connection dimensions and capacities according to DIN EN 733.

Shaft sealing by **mechanical seal or gland packing** according to the operating conditions.

Groove ball bearings rigid and lubricated for the whole service life.

No offset of the shaft because of **one-piece bearing housing**.

Optimized hydraulic parts according to DIN EN 733 with **very good efficiencies and NPSH values**.

Adaptation to changing operating conditions possible by turning down the impeller.

Large selection of materials.

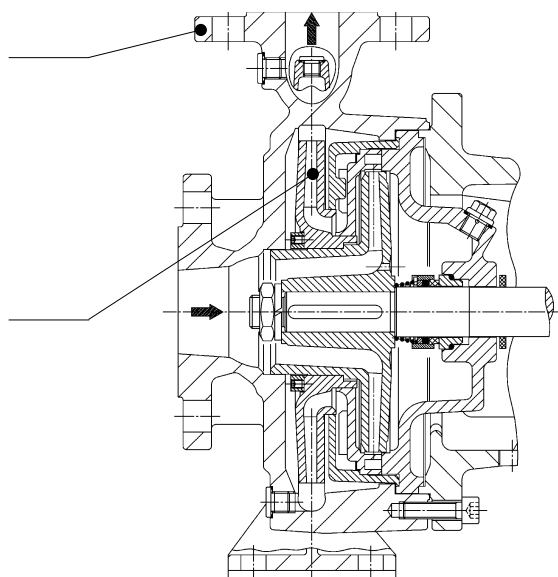
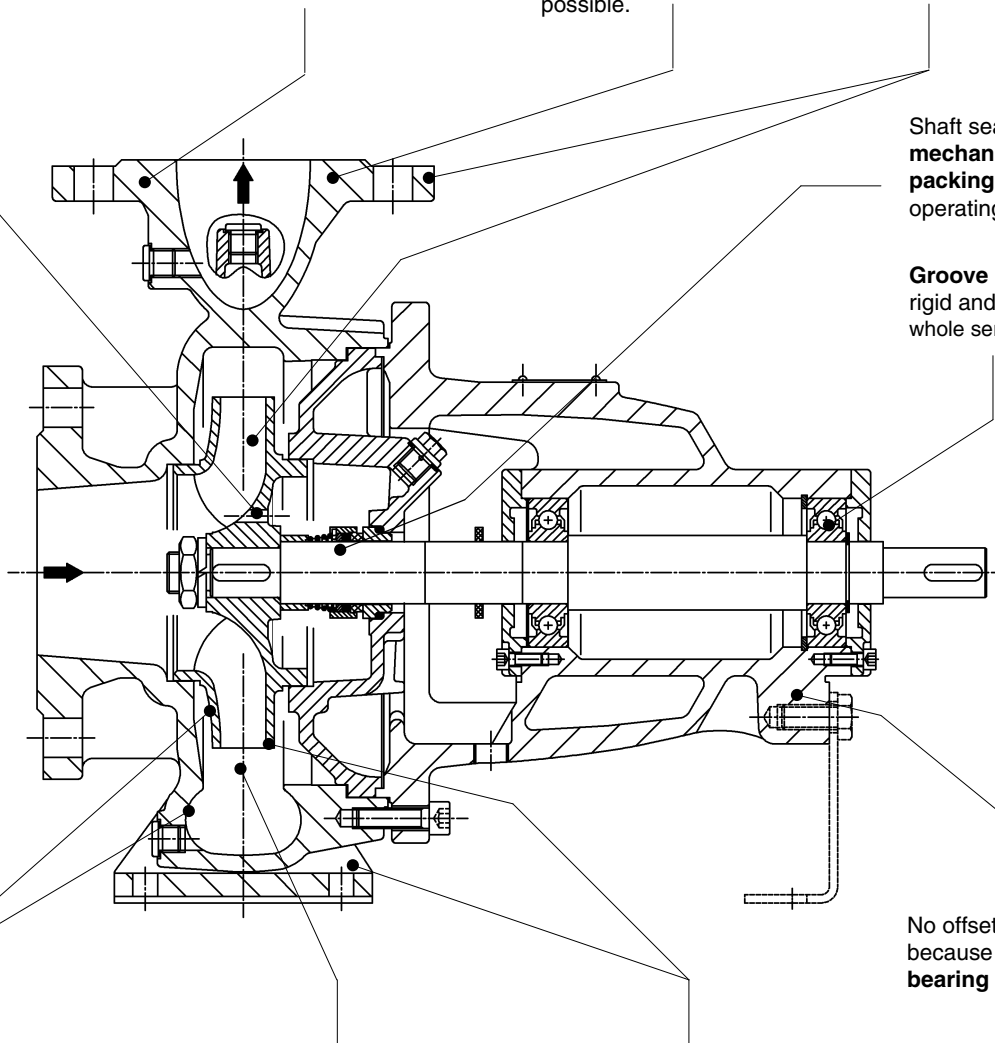
Two-stage sizes with their outer dimensions **correspond** to the respective **single-stage sizes**.

Large delivery heads with two-stage sizes (2/25-200/01, 2/32-200/01, 2/40-250/01, 2/50-250/01). The connection dimensions correspond with the single stage design.

Process design; when dismantling the pump the volute casing remains in the piping.

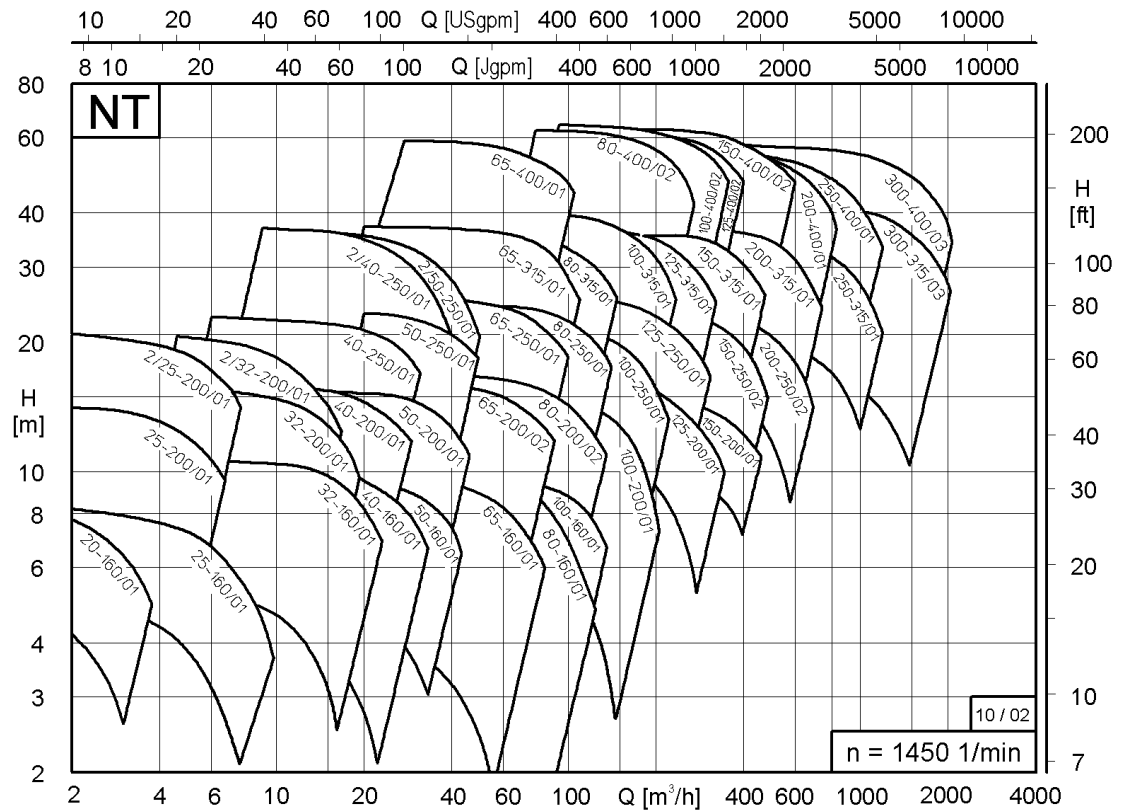
By additional pump sizes performance range according to DIN EN 733 is **increased**.

Reduced stockkeeping of spare parts due to use of as much non-variable parts as possible (modular system).

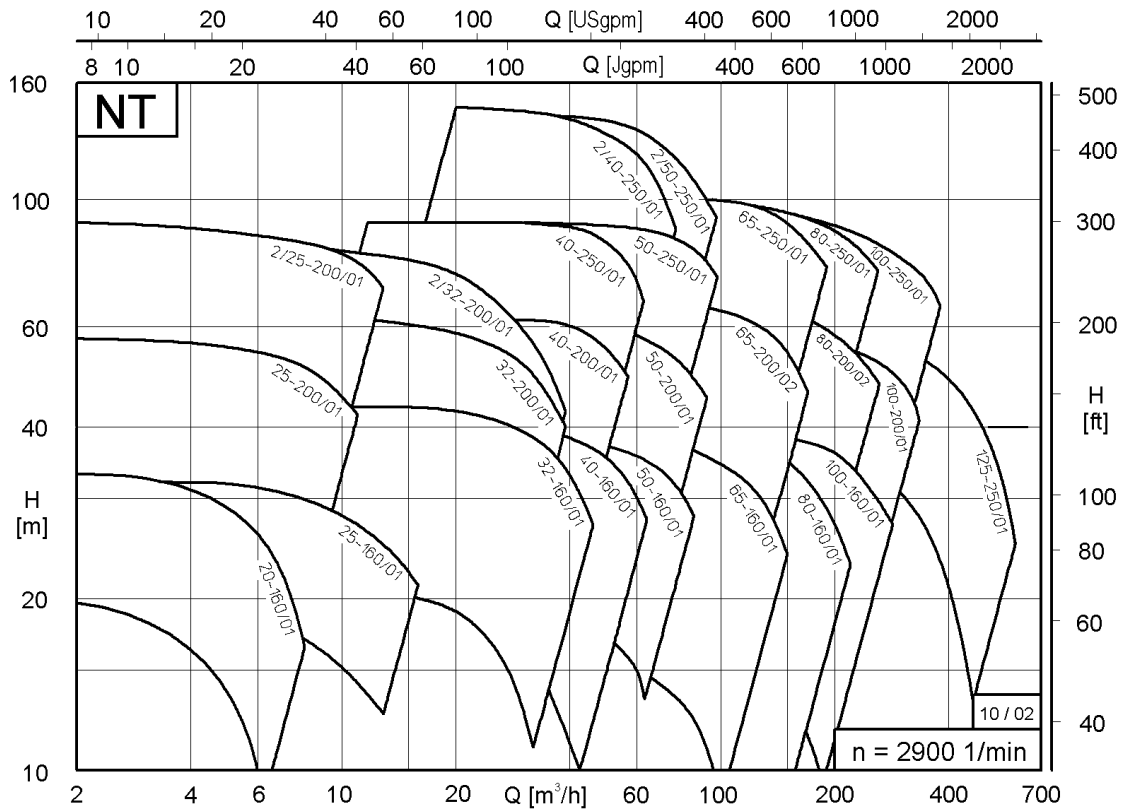


Performance graphs

n = 1450 1/min



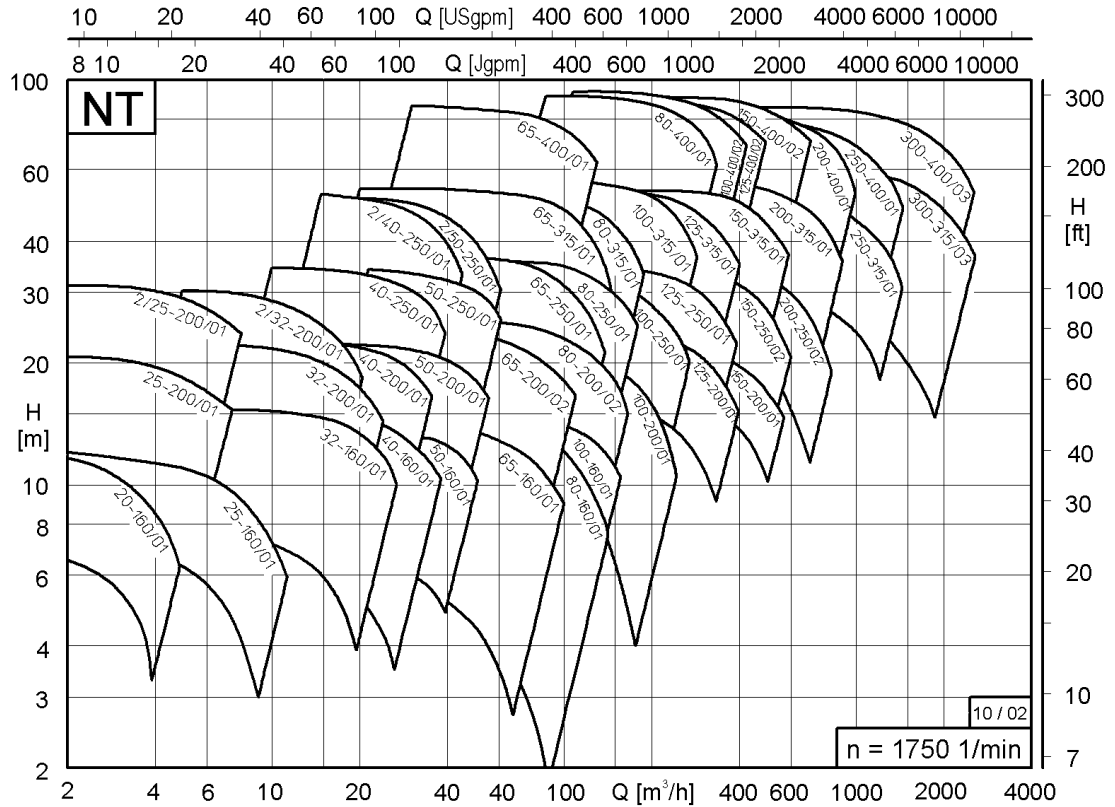
n = 2900 1/min



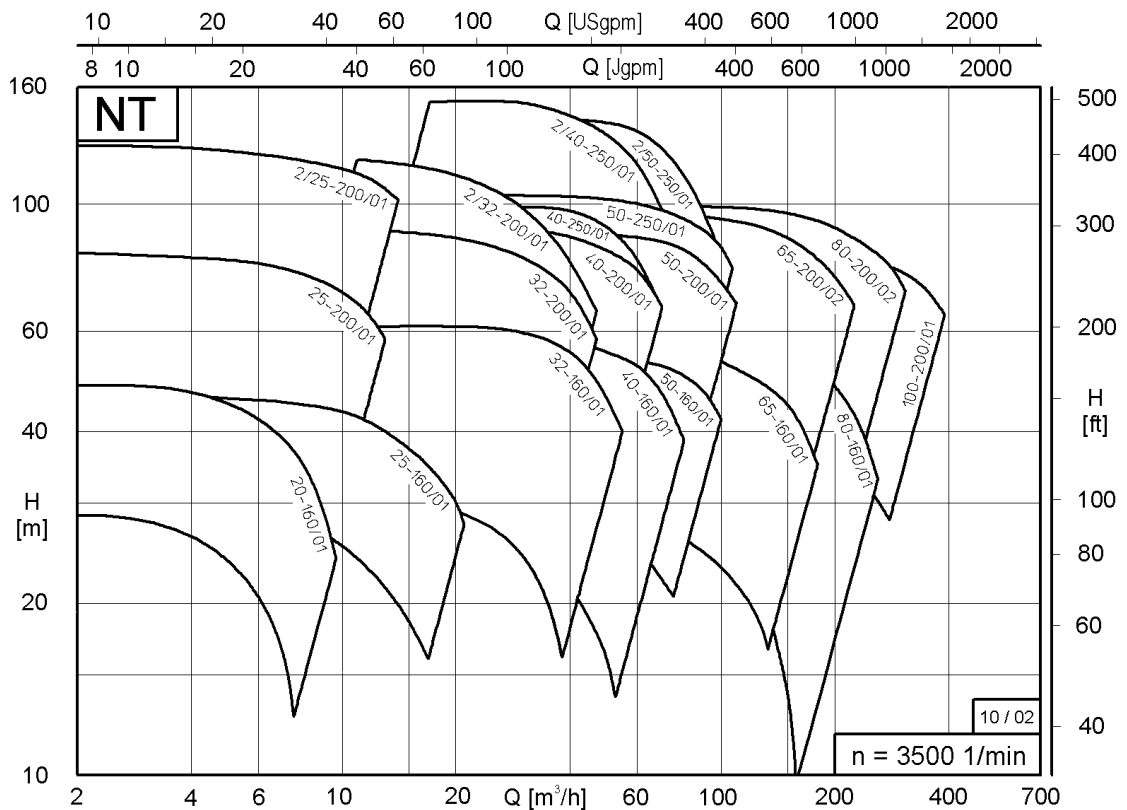
Valid for $\rho = 1 \text{ kg/dm}^3$ and $\nu = 1 \text{ mm}^2/\text{s}$.

Exact performance data to be taken from the individual characteristics and the selection programme ALLSELECT.

n = 1750 1/min



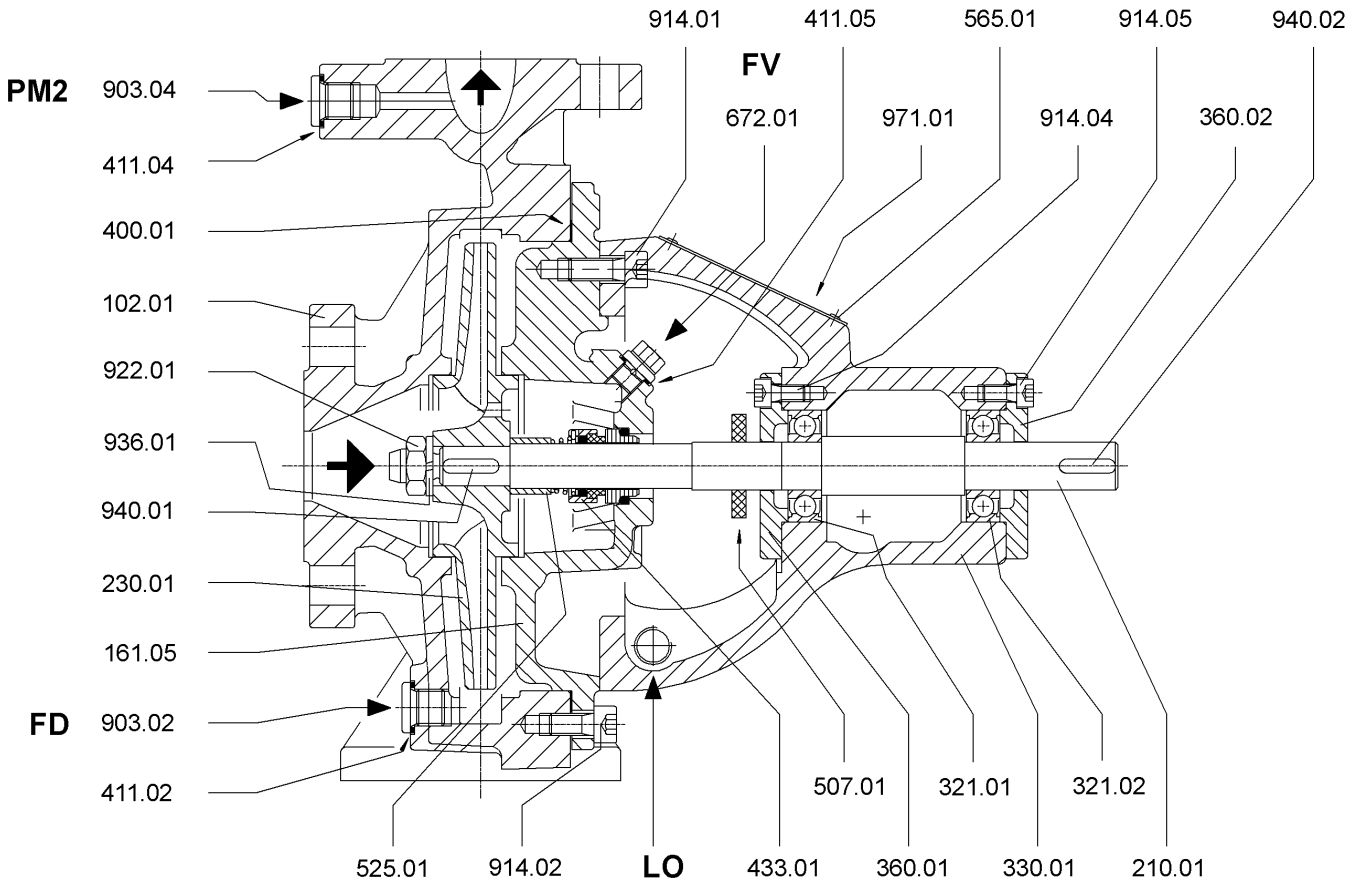
n = 3500 1/min



Valid for $\rho = 1 \text{ kg/dm}^3$ and $\nu = 1 \text{ mm}^2/\text{s}$.
 Exact performance data to be taken from the individual characteristics and the selection programme ALLSELECT.

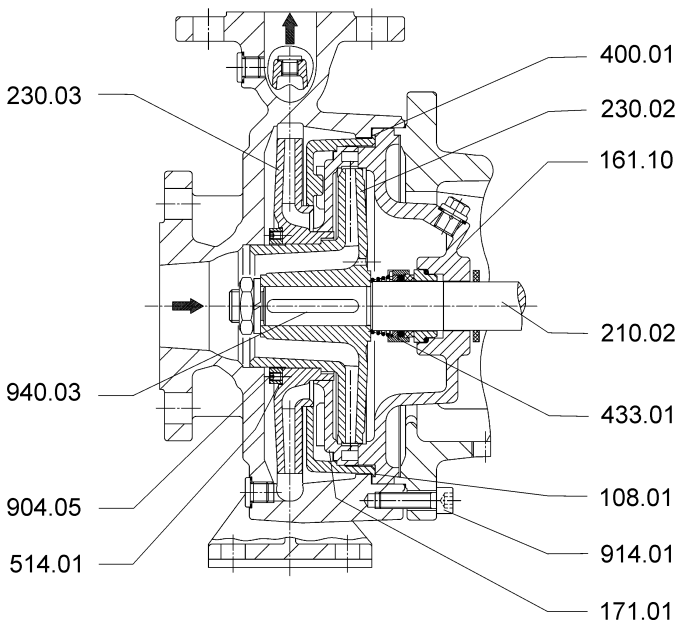
Sectional drawings

Sizes on bearing housing size 228

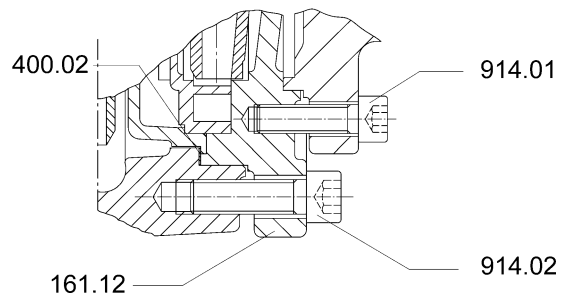


U3 ... D mechanical seal unbalanced

Sizes on bearing housing size 360

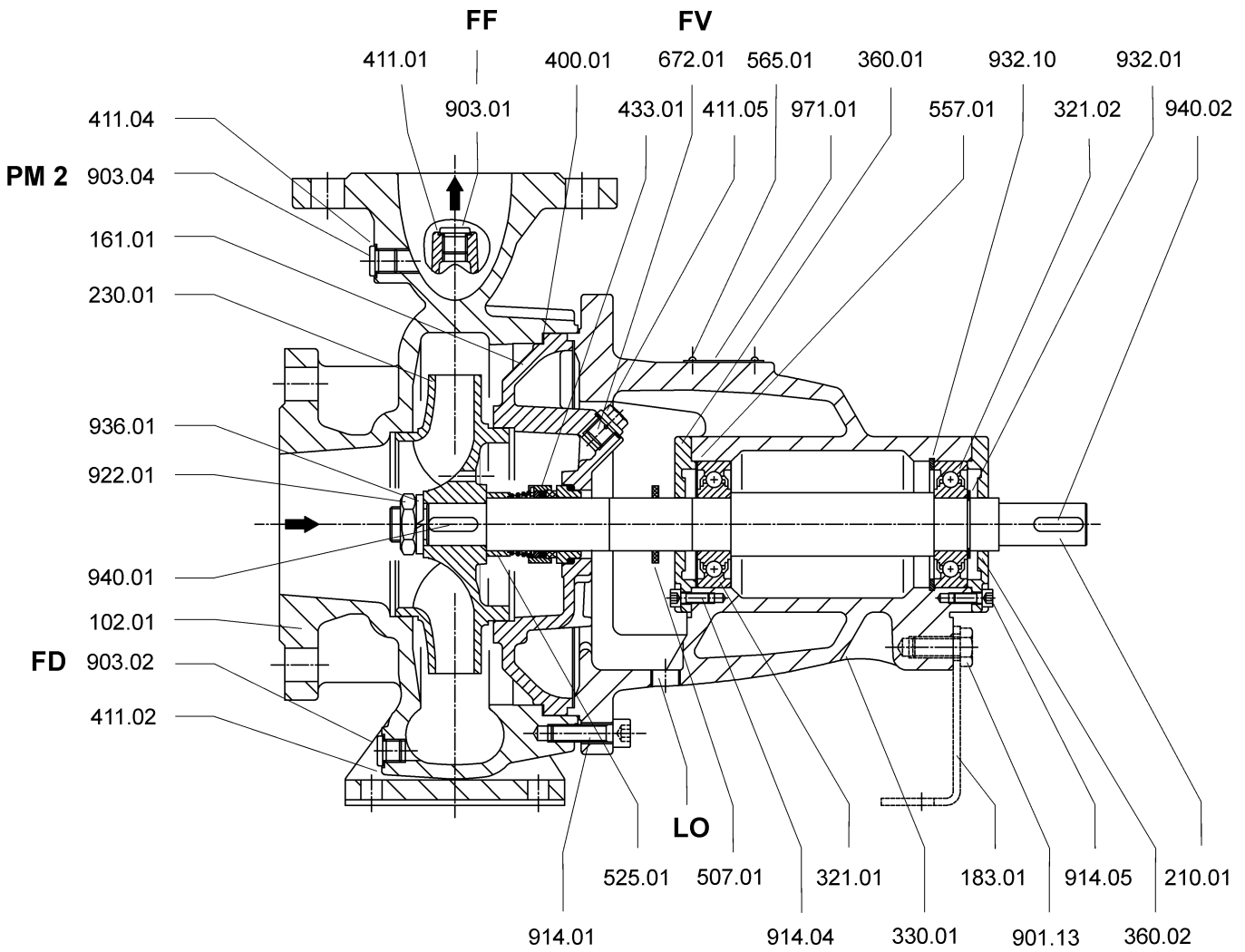


Bearing housing size 360, two-stage, U3 ... D - mechanical seal unbalanced

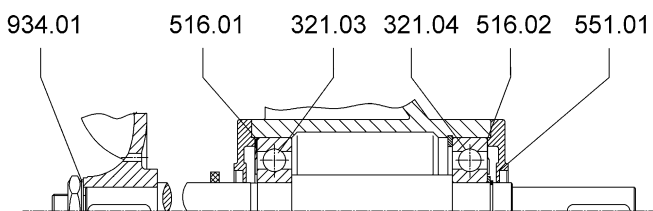


Casing cover design with sizes 2/40-250 and 2/50-250

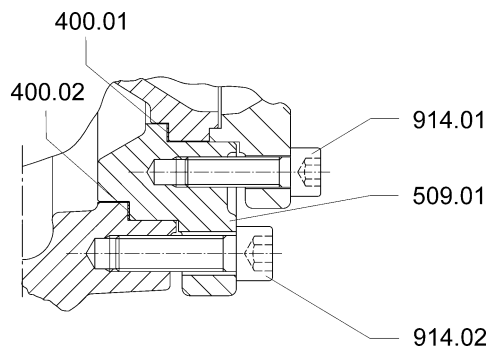
Sizes on bearing housing sizes 360, 470 and 530



U3 ... D mechanical seal unbalanced

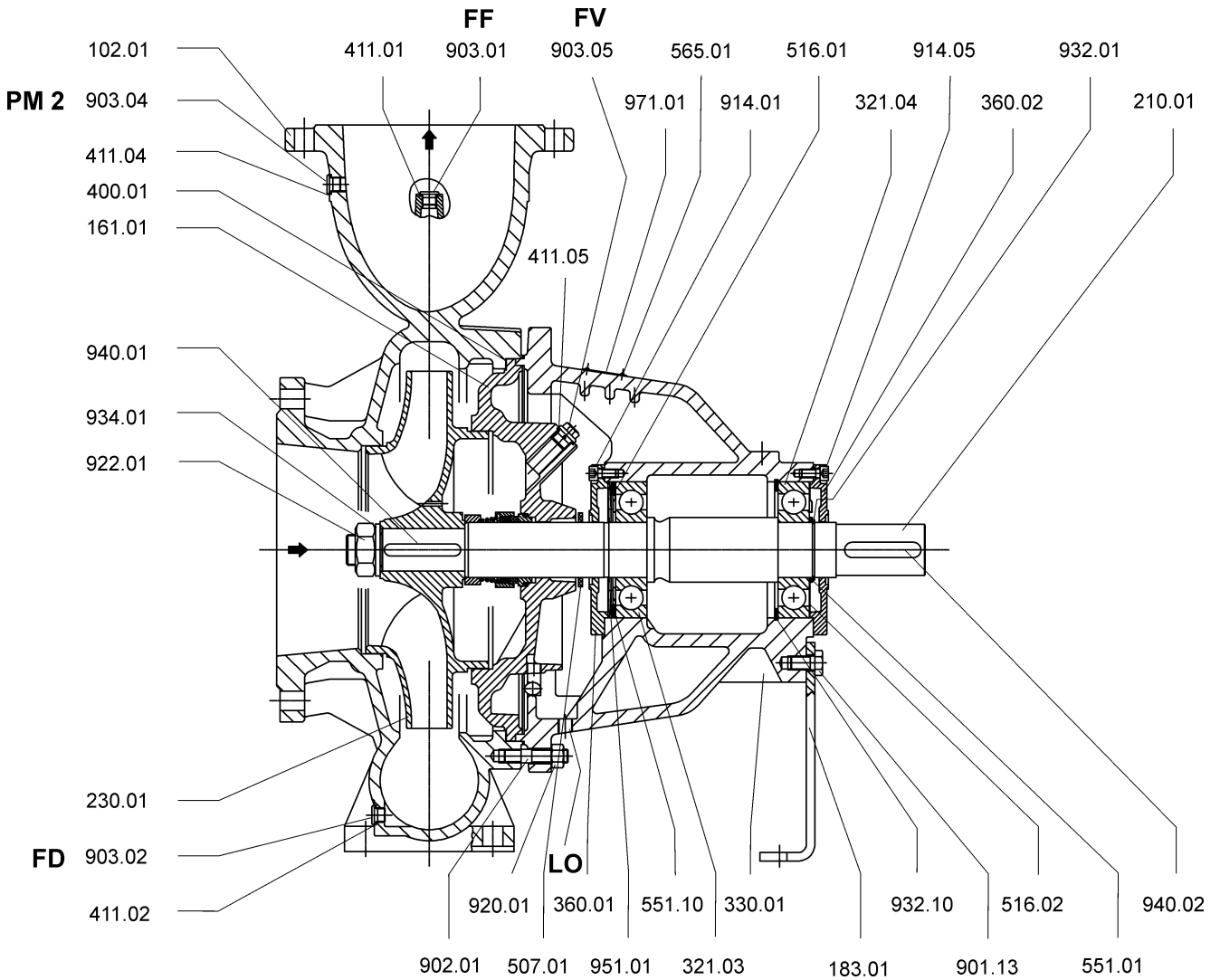


Design on bearing housing size 530

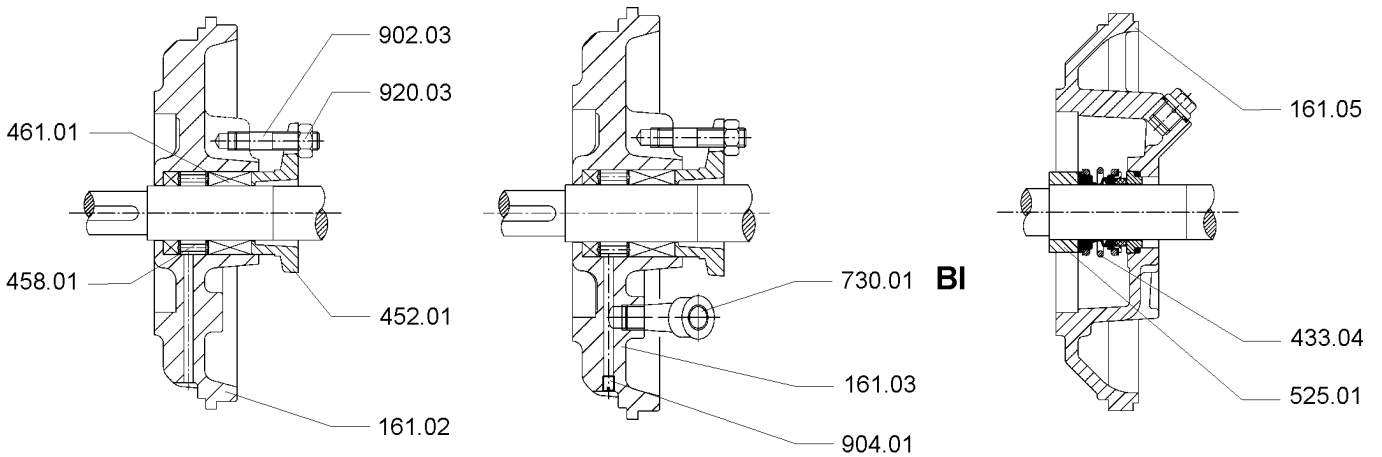


Design with intermediate ring

Sizes on bearing housing size 585



U3 ... D mechanical seal unbalanced

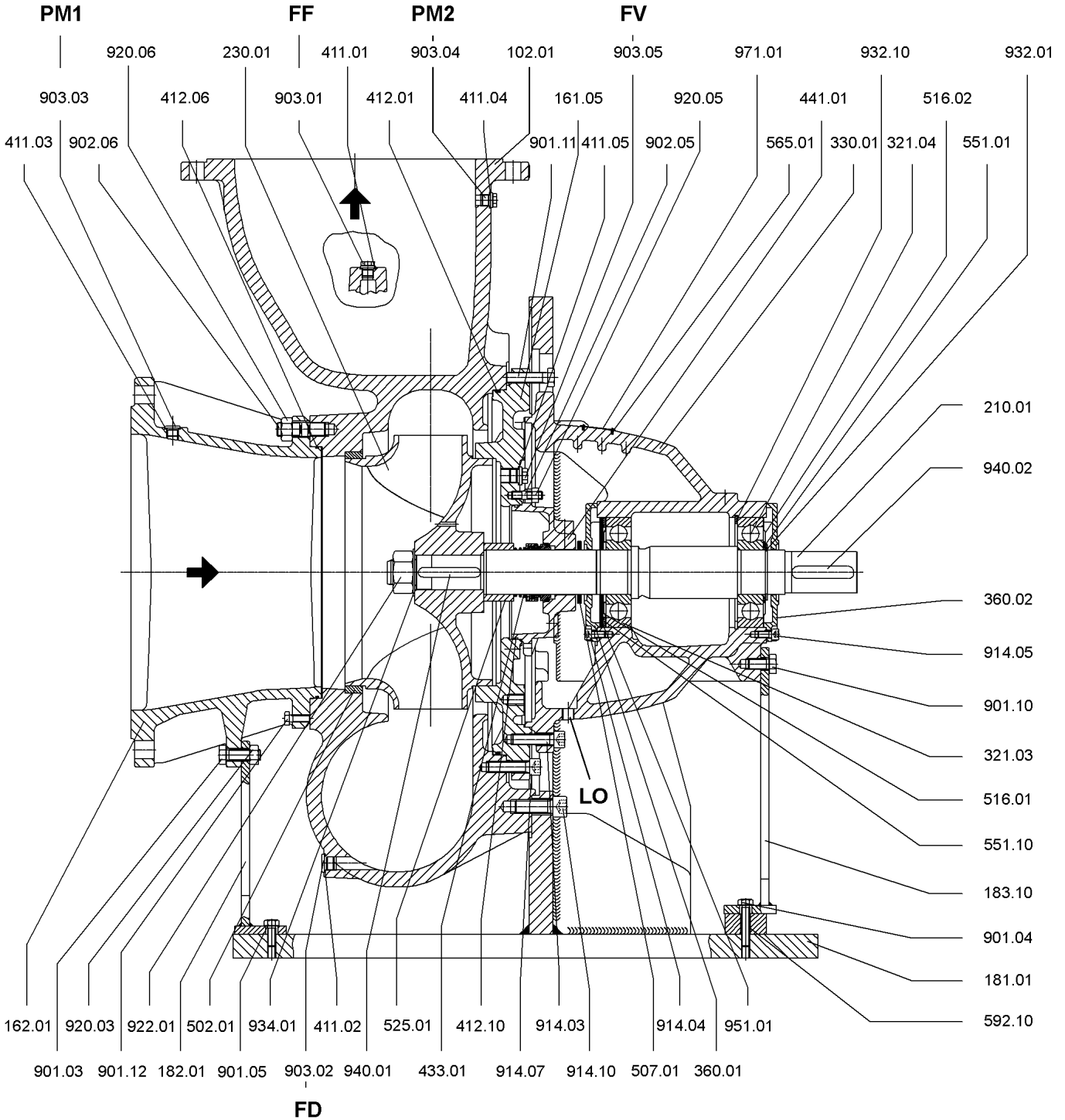


Gland packing with internal sealing U1B

Gland packing with external sealing U1C

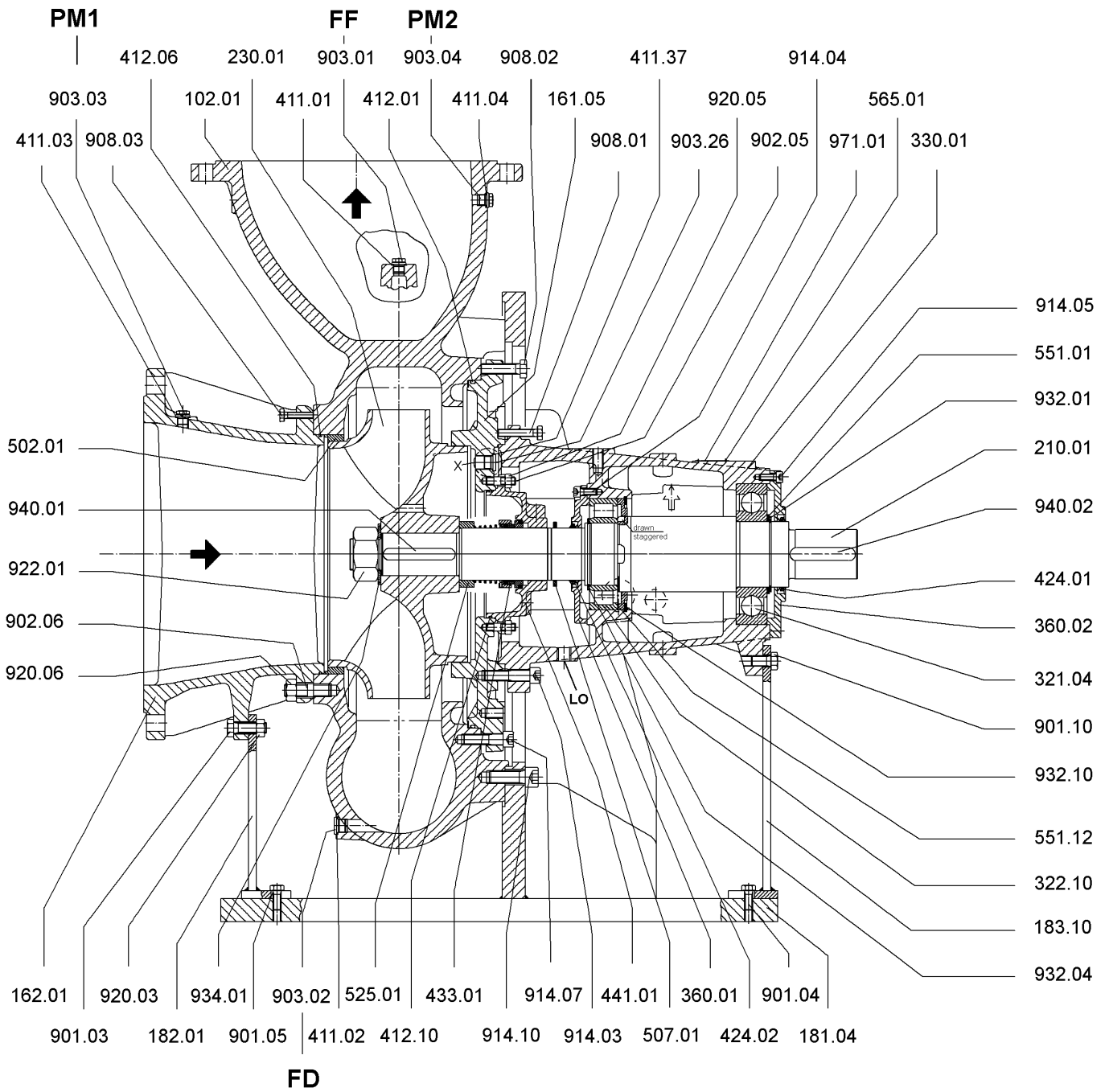
Mechanical seal unbalanced U3.9D, U3.12D

Sizes 300-315 and 300-400 on bearing housing 585

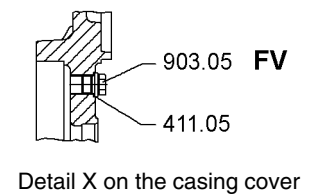
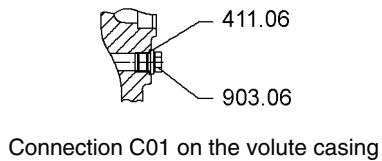
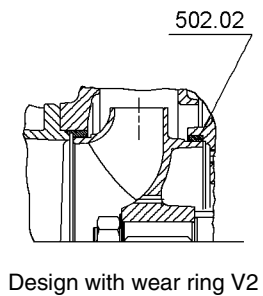


U3 ... D - mechanical seal unbalanced

Sizes 300-315 and 300-400 on bearing housing 700



U3 ... D - mechanical seal unbalanced



List of components

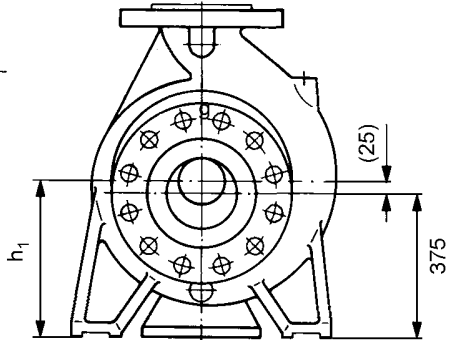
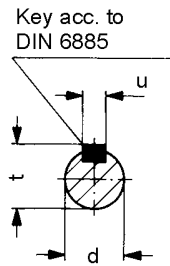
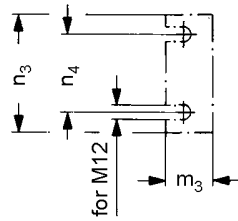
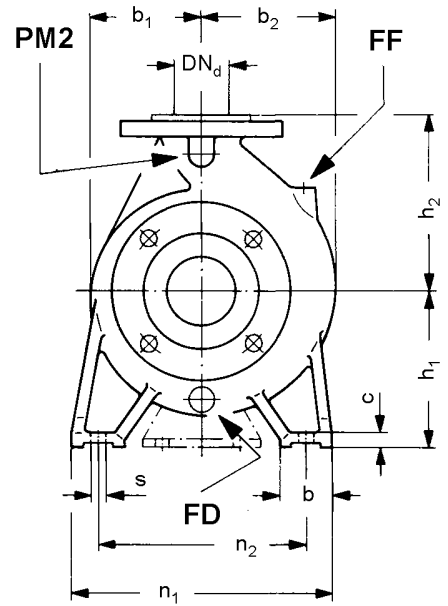
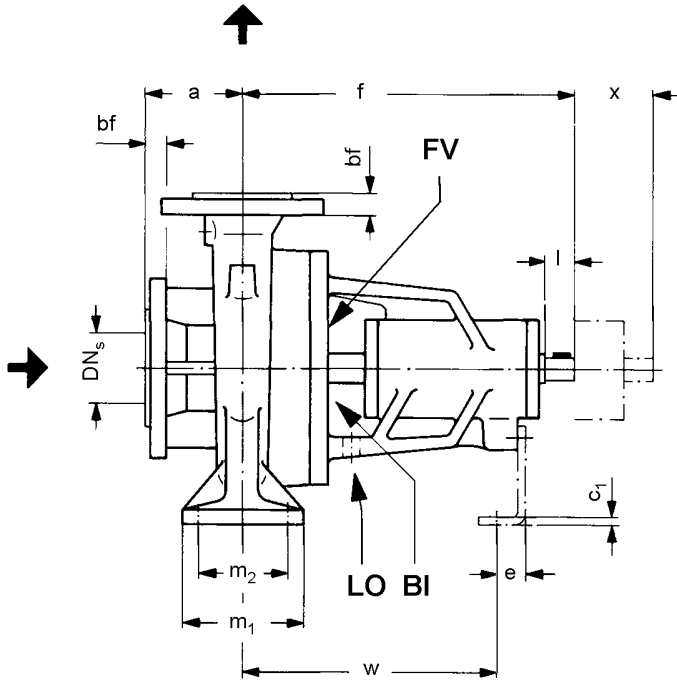
Denomination	Part-No.	Denomination	Part-No.
Volute casing	102.01	Rivet	565.01
Stage casing	108.01	Shim plate	592.10
Casing cover	161.01	Venting	672.01
Casing cover	161.03	Pipe fitting	730.01
Casing cover	161.05	Hexagon head bolt	901.03
Casing cover	161.10	Hexagon head bolt	901.04
Casing cover	161.12	Hexagon head bolt	901.05
Suction cover	162.01	Hexagon head bolt	901.10
Diffuser	171.01	Hexagon head bolt	901.11
Pump frame	181.01	Hexagon head bolt	901.12
Foot	182.01	Hexagon head bolt	901.13
Support foot	183.01	Stud bolt	902.01
Support foot	183.10	Stud bolt	902.03
Shaft	210.01	Stud bolt	902.05
Shaft	210.02	Stud bolt	902.06
Impeller	230.01	Screw plug	903.01
Impeller 1 st stage	230.02	Screw plug	903.02
Impeller 2 nd stage	230.03	Screw plug	903.03
Radial ball bearing	321.01	Screw plug	903.04
Radial ball bearing	321.02	Screw plug	903.05
Radial ball bearing	321.03	Screw plug	903.06
Radial ball bearing	321.04	Screw plug	903.26
Cylindrical roller bearing	322.01	Setscrew	904.01
Bearing housing	330.01	Setscrew	904.05
Bearing cover	360.01	Jacking screw	908.01
Bearing cover	360.02	Jacking screw	908.02
Gasket	400.01	Jacking screw	908.03
Gasket	400.02	Socket head cap screw	914.01
Seal ring	411.01	Socket head cap screw	914.02
Seal ring	411.02	Socket head cap screw	914.03
Seal ring	411.03	Socket head cap screw	914.04
Seal ring	411.04	Socket head cap screw	914.05
Seal ring	411.05	Socket head cap screw	914.07
Seal ring	411.06	Socket head cap screw	914.10
Seal ring	411.37	Hexagon nut	920.01
O-ring	412.01	Hexagon nut	920.03
O-ring	412.06	Hexagon nut	920.05
O-ring	412.07	Hexagon nut	920.06
O-ring	412.10	Impeller nut	922.01
V-ring	424.01	Circlip	932.01
V-ring	424.02	Circlip	932.04
Mechanical seal	433.01	Circlip	932.10
Shaft seal housing	441.01	Spring disc	934.01
Stuffing box gland	452.01	Spring ring	936.01
Lantern ring	458.01	Key	940.01
Gland packing	461.01	Key	940.02
Wear ring	502.01	Key	940.03
Wear ring	502.02	Cup spring	951.01
Thrower	507.01	Nameplate	971.01
Intermediate ring	509.01		
Threaded ring	514.01		
Nilos ring	516.01		
Nilos ring	516.02		
Shaft sleeve	523.01		
Spacer sleeve	525.01		
Clamping sleeve	531.01		
Spacer disc	551.01		
Spacer disc	551.10		
Spacer disc	551.12		
Compensating disc	557.01		

Connections for:

BI	External sealing
FD	Draining
FF	Filling
FV	Venting
LO	Leakage outlet
PM1	Pressure gauge
PM2	Pressure gauge

Main dimensions

Sizes on bearing housing sizes 228, 360, 470, 530 and 585



Dimensions in mm.
Sense of rotation:
clockwise, as seen from
the driving side.

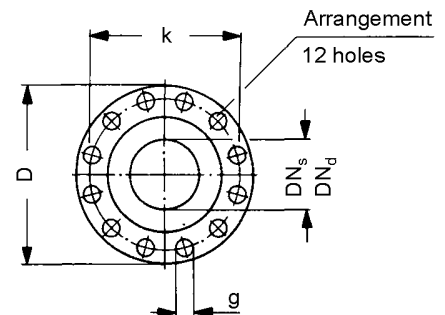
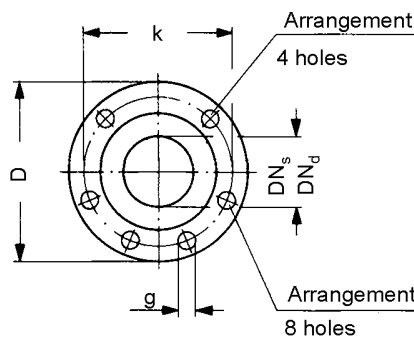
Bearing housing size	External sealing BI	Draining ① FD	Filling ② FF	Venting FV	Leakage outlet ③ LO	Pressure gauge PM2
228	G 1/8	G 1/4	G 1/4	G 1/8	G 1/4	G 1/4
360	G 1/4	G 1/4	G 1/4	G 1/4	G 3/8	G 1/4
470	G 1/4	G 3/8	G 3/8	G 3/8	G 3/8	G 3/8
530	G 3/8	G 3/8	G 3/8	G 1/2	G 3/8	G 3/8
585	G 3/8	G 3/8	G 3/8	G 1/2	G 3/8	G 3/8
2-stage sizes	-	G 1/4	G 1/4	G 1/4	G 3/8	G 1/4

- ① connection FD in sizes 25-200/01 and 2/25-200/01 = G 1/2
- ② connection FF in sizes 20-160/01, 25-200/01 and 2/25-200/01 not provided. Refilling possible at connection PM2
- ③ in size 20-160/01 and 25-160/01 laterally

Only size 250-400

Flanges:
up to DN 150 acc. to EN 1092-2 PN 16
DN 200 and above acc. to EN 1092-2 PN 10

DNd DNs	D	bf	k	g	No. of holes
25	115	16	85	14	4
32	140	18	100	19	4
40	150	18	110	19	4
50	165	20	125	19	4
65	185	20	145	19	4
80	200	22	160	19	8
100	220	24	180	19	8
125	250	26	210	19	8
150	285	26	240	23	8
200	340	26	295	23	8
250	395	28	350	23	12
300	445	28	400	23	12



Main dimensions

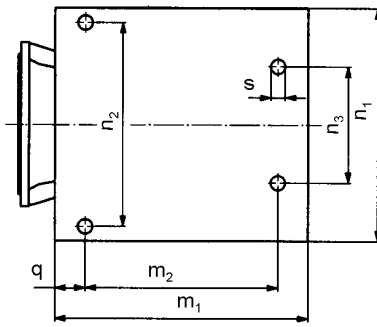
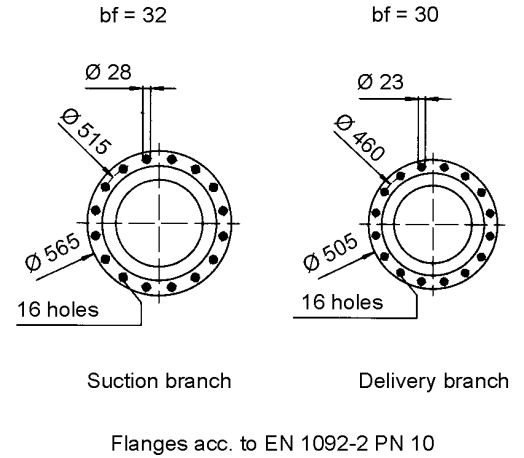
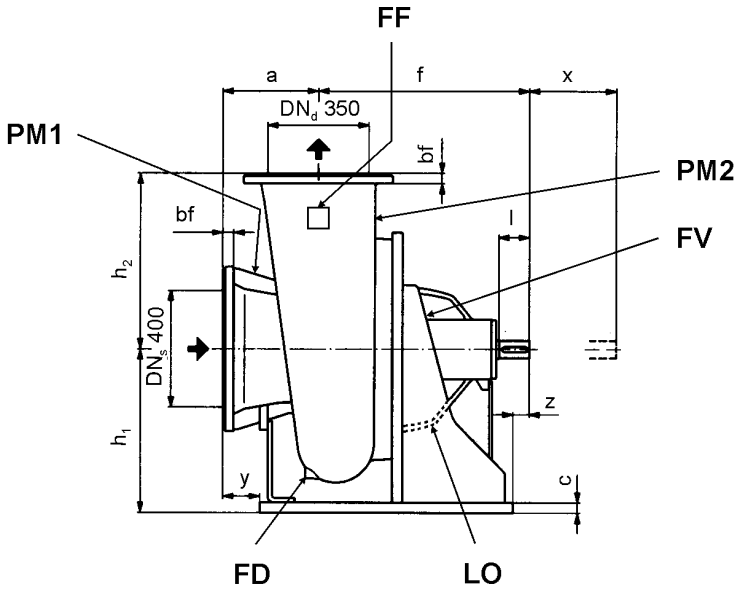
Dimensions in mm without commitment.
Tolerances of the connection dimensions according to DIN EN 735.

Bearing housing size	Pump size	Suction flange DN _s	Dis-charge flange DN _d	Pump dimensions						Foot dimensions											Extension dimension x	Shaft end acc. to DIN 748						
				a	f	b ₁	b ₂	h ₁	h ₂	b	c	c ₁	e	m ₁	m ₂	m ₃	n ₁	n ₂	n ₃	n ₄		w	s	d	l	t	u	
228	20-160/01	25	25	63	228	100	108	112	145	50	14	-	-	100	70	-	220	180	-	-	-	M10	60	17	28	19	5	
	160								12																			
360	25-200/01	40	25	80	360	132	132	160	180	50	-	-	-	100	70	-	240	190	-	-	-	M12	80	24	50	27	8	
	2/25-200/01																											
	32-160/01	50	32	80	360	123	123	132	160	50	-	-	-	100	70	-	240	190	-	-	-	M12	80	24	50	27	8	
	32-200/01																											
	2/32-200/01	50	32	80	360	124	130	160	180	50	-	-	-	100	70	-	240	190	-	-	-	M12	80	24	50	27	8	
	40-160/01																											
	40-200/01	40	40	80	360	123	123	132	160	50	-	-	-	100	70	-	240	190	-	-	-	M12	80	24	50	27	8	
	40-250/01																											
	2/40-250/01	65	40	80	100	150	156	180	225	65	15	4	28	-	125	95	-	320	250	-	-	-	M12	80	24	50	27	8
	50-160/01																											
	50-200/01	50	40	80	100	123	130	160	180	50	15	4	28	-	100	70	-	265	212	-	-	-	M12	80	24	50	27	8
	50-250/01																											
	2/50-250/01	50	40	80	100	133	145	160	200	50	15	4	28	-	100	70	-	265	212	-	-	-	M12	80	24	50	27	8
	65-160/01																											
65-200/02	80	65	80	100	156	169	180	225	65	15	4	28	-	125	95	-	320	250	-	-	-	M12	80	24	50	27	8	
80-160/01																												
80-200/01	100	80	80	125	133	162	160	200	65	15	4	28	-	125	95	-	280	212	-	-	-	M12	80	24	50	27	8	
65-200/02																												
100-160/01	125	100	100	125	148	170	180	225	65	15	4	28	100	70	320	250	280	212	100									
100-160/01	125	100	100	125	136	170	180	225	65	15	4	28	100	70	320	250	280	212	100									
100-160/01	125	100	100	125	165	200	200	280	65	15	4	28	100	70	320	250	280	212	100									
470	65-250/01	80	65	100	470	164	184	200	250	80	18	4	28	160	120	45	360	280	160	110	340	M16	100	32	80	35	10	
	65-315/01																											
	65-400/01																											
	80-200/02	100	80	125	470	163	188	180	250	65	18	4	28	125	95	45	345	280	160	110	340	M12	100	32	80	35	10	
	80-250/01																											
	80-315/01																											
	100-200/01	125	100	140	470	165	203	200	280	80	18	4	28	160	120	45	360	280	160	110	340	M16	120	32	80	35	10	
	100-250/01																											
	100-315/01																											
	125-200/01	150	125	140	470	189	224	225	315	80	25	6	30	160	120	47	400	315	160	110	340	M16	120	32	80	35	10	
	125-250/01																											
150-200/01	200	150	160	470	212	255	355	100	27	18	6	30	200	150	47	400	315	160	110	340	M20	120	32	80	35	10		
150-200/01	200	150	160	470	214	268	280	370	100	27	18	6	30	200	150	47	550	450	160	110	340	M20	120	32	80	35	10	
530	80-400/02	100	80	125	530	246	265	280	355	80	25	-	-	160	120	-	435	355	160	110	370	M16	140	42	110	45	12	
	100-400/02																											
	125-315/01	150	125	140	530	226	252	315	400	80	25	-	-	160	120	-	500	400	160	110	370	M16	140	42	110	45	12	
	125-400/02																											
	150-250/02	200	150	160	530	264	283	280	375	100	27	6	31	200	150	47	550	450	160	110	370	M20	140	42	110	45	12	
	150-315/01																											
	150-400/02	200	150	160	530	239	271	280	400	100	27	6	31	200	150	47	550	450	160	110	370	M20	140	42	110	45	12	
200-250/02																												
200-250/02	200	180	180	530	277	305	315	450	100	27	6	31	200	150	47	550	450	160	110	370	M20	140	42	110	45	12		
200-250/02	200	180	180	530	262	330	355	425	100	27	6	31	200	150	47	550	450	160	110	370	M20	140	42	110	45	12		
585	200-315/01	250	200	200	585	270	335	355	450	110	27	-	-	200	150	65	550	450	250	200	410	M 20	180	60	105	64	18	
	200-400/01																											
	250-315/01	300	250	225	585	315	374	355	500	100	30	10	42	260	190	-	690	560	250	200	410	M 24	180	60	105	64	18	
	250-400/01																											
250-400/01	300	250	225	585	350	440	400	600	120	30	10	42	280	200	65	630	500	250	200	410	M 27	180	60	105	64	18		

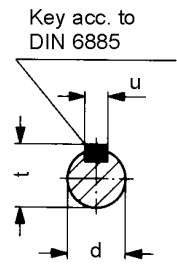
Installation dimensions are available in ALLWEILER drawing archive ALL2CAD.

Main dimensions

Size 300-315 and 300-400 on bearing housing 585 and 700



View from below



Bearing housing size	FD	FF	FV	LO	PM1	PM2
585	G 1/2	G 3/8	G 1/2	G 3/8	-	G 3/8
700	G 1/2	G 3/8	G 1/2	G 1/2	G 3/8	G 3/8

Dimensions in mm without commitment.
Sense of rotation: clockwise, as seen from the driving side.

Pump size	Bearing housing size	Pump dimensions				Foot dimensions							Extension dimension	Shaft end acc. to DIN 748				Others		
		a	f	h ₁	h ₂	c	m ₁	m ₂	n ₁	n ₂	n ₃	q		s	x	d	l	t	u	y
300-315/01	585	325	730	560	600	35	850	720	800	700	400	50	M30	250	60	105	64	18	148	57
	700		795														79.5	20		122
300-400/01	585		700														64	18	118	57
	700		765														79.5	20	122	

Installation dimensions are available in ALLWEILER drawing archive ALL2CAD.

Allocation of the bearing housing sizes to the speeds

Pump size	Speed [min ⁻¹]			
	950	1180	1450	1780
Bearing housing size				
300-315/01	585 ①			700
300-400/01				

① up to the max. power 200 kW; above 200 kW bearing housing size 700 has to be used

Subject for technical alterations.

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