

BACTOFUGI

BB 818HGV-34C



Tetra Centri®

Spare parts catalogue

Reservdelskatalog

Ersatzteilkatalog

Catalogue de pièces de
rechange

Catalogue de piezas de
recambio

Каталог запасных
частей

Catalogo parti di ricambio

Catalogo de peças
sobressalentes

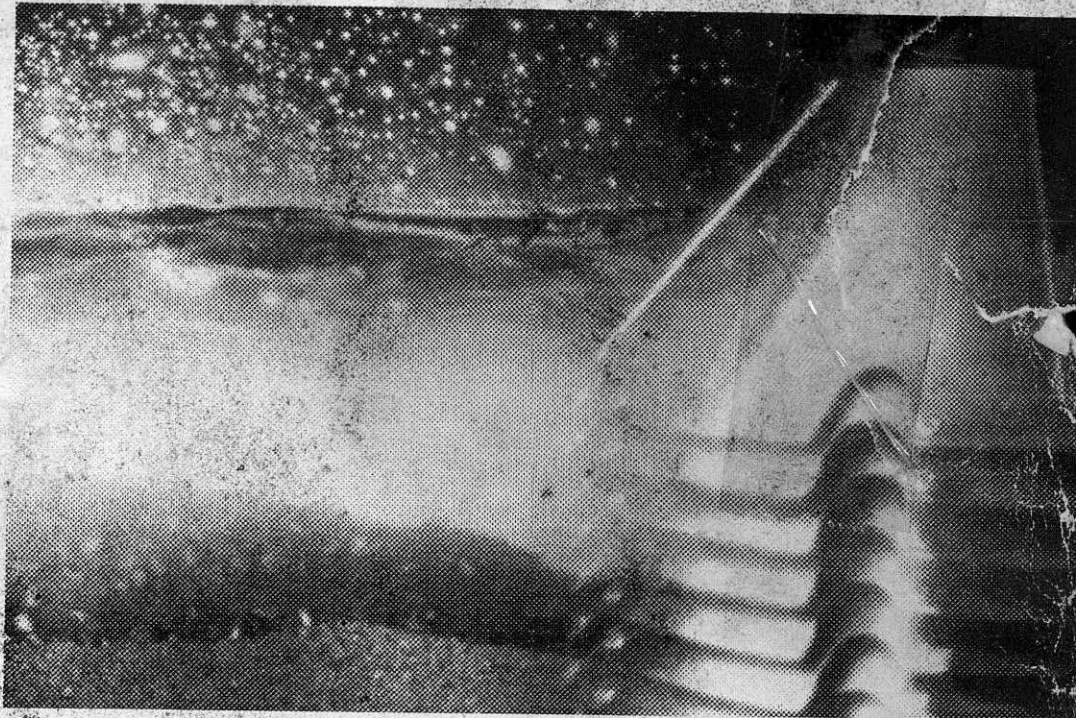
Varaosaluettelo

Καταλογος
ανταλλακτικων

Reserveonderdelen-
catalogus

Reservdelskatalog

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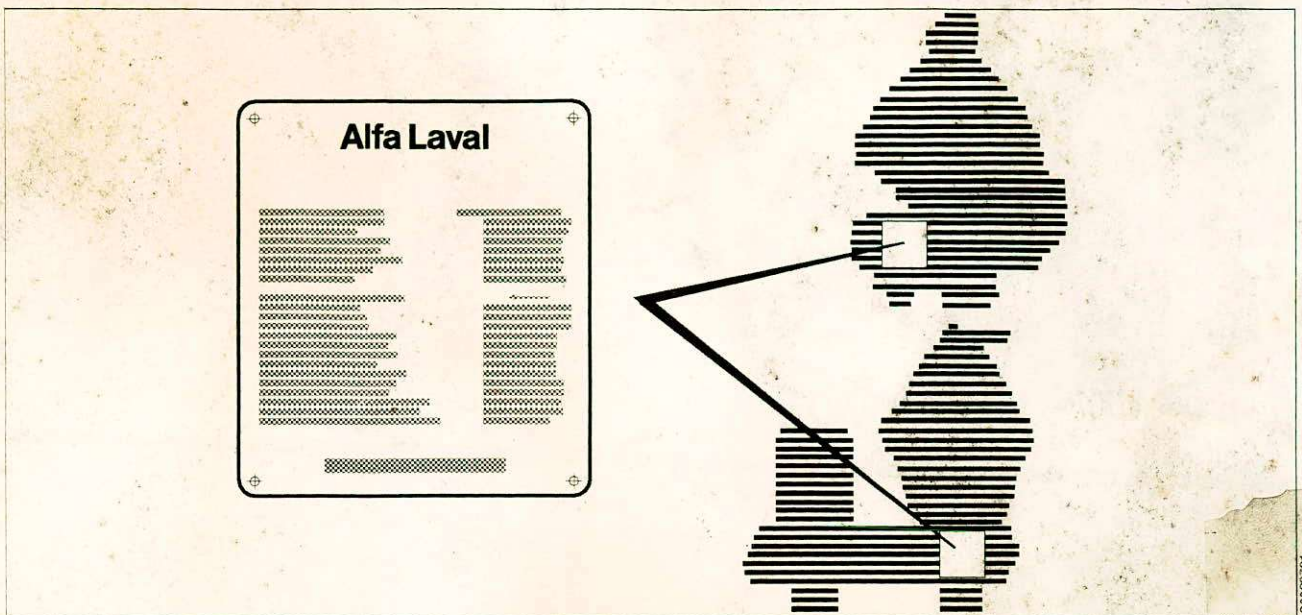
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1 Read this first



- en** The name plate - the guide for finding the correct spare part numbers. See also Warnings in chapter "1.1 General information" on page 7.
- sv** Maskinskyllten - en guide till det rätta reservdelsnumret. Se även Varningar i kapitel "1.1 Allmän information" på sidan 8.
- de** Das Typenschild - ein Hinweis zur korrekten Ersatzteilnummer. Siehe auch Warnhinweise in Kapitel "1.1 Allgemeine Informationen" auf Seite 9.
- fr** La plaque de la machine - un guide pour trouver le numéro de pièce de rechange correct. Voir à ce propos les mises en garde du chapitre "1.1 Informations générales" en page 10.
- es** La placa-marca de la máquina - guía del número correcto del repuesto. Consulte también las Advertencias del capítulo "1.1 Información General" en la página 11.
- ru** Фирменная табличка машины – указатель правильного номера запасной части. См. также предупреждения в главе "1.1 Общие сведения" на странице 12.
- it** La targhetta della macchina - guida al corretto numero dei ricambi. Vedere anche le Avvertenze nel capitolo "1.1 Informazioni generali" a pagina 13.
- pt** A placa do fabricante da máquina - um guia do número correto das partes sobressalentes. Consultar também os Avisos no capítulo "Informação Geral 1.1" da página 14.
- fi** Konekilpi - opastin oikeaan varaosanumeroon. Katso myös kappaleessa 1.1 sivulla 15 olevaa kohtaa "Yleiset tiedot".
- el** Η πινακίδα της μηχανής είναι ο οδηγός του σωστού ανταλλακτικού. Δείτε επίσης τις προειδοποιήσεις του κεφαλαίου "1.1 ΓΕΝΙΚΕΣ ΠΛΗΡΟΦΟΡΙΕΣ", στη σελίδα 16.
- nl** Het gegevensplaatje - een wegwijzer naar het juiste onderdeelnummer. Zie ook Waarschuwingen in hoofdstuk "1.1 Algemene informatie", op blz. 17.
- da** Typeskiltet - en guide til det rette reservedelsnummer. Se også under Advarsler i kapitel "1.1 Generelle oplysninger" på side 18.

1.1 General information

en

Safeguard your commitment to quality by always using genuine Alfa Laval spare parts.

Remember, Alfa Laval cannot accept responsibility for the failure of a separator equipped with non-original spare parts. We guarantee the quality and reliability of our products.



WARNING B

When changing certain parts in the separator bowl assembly, the vibration level may increase. This can result in shorter life time of components like rolling bearings and gears. If severe unbalance occurs, the rotating bowl assembly can come into contact with the frame causing damage to equipment and injuries to personnel. It is strongly recommended that the exchange of parts is **supervised by an Alfa Laval service engineer**. Alfa Laval assumes no liability for damage to property or injury to personnel resulting from unauthorized installation of those parts.



WARNING C

¹Certain bowl parts carry milling marks from the balancing of the complete separator bowl. These parts must not be replaced without rebalancing the complete bowl. The rebalancing should be made by an Alfa Laval service shop.

SV

Följ ditt kvalitetstänkande genom att endast använda Alfa Laval originalreservdelar.

Kom ihåg att Alfa Laval inte tar något ansvar för fel på en separator som innehåller icke-originaldelar. Vi garanterar kvaliteten och driftsäkerheten hos våra egna produkter.



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VARNING B

Om vissa delar i separatorkulan byts ut, kan vibrationsnivån komma att öka. Detta kan i sin tur leda till förkortad livslängd på t.ex. lager och växlar. Om kraftiga vibrationer uppstår, kan den roterande kulan komma att slå i stativets delar, vilket kan medföra allvarlig maskin- och personskada. Det är därför av stor vikt att utbyte av kulans delar **övervakas av en serviceingenjör från Alfa Laval**. Alfa Laval tar inget ansvar för maskin- eller personsador som kan uppkomma på grund av att delar bytts ut av icke auktoriserad personal.



VARNING C

Vissa av separatorkulans delar har urfrästa spår som resultat av balansering av hela kulan. Dessa delar kan inte bytas ut utan att en ombalansering av kulan görs. För att bästa resultat ska uppnås, ska den kompletta kulan sändas till en Alfa Laval serviceverkstad för ombalansering.

de

Sichern Sie sich Ihren Anspruch auf Qualität durch ausschließliche Verwendung von original Alfa Laval Ersatzteilen.

Beachten Sie bitte, daß Alfa Laval keine Verantwortung für den Ausfall eines Separators übernimmt, der mit Nicht-Originalteilen ausgestattet ist. Wir garantieren für die Qualität und Zuverlässigkeit unserer Produkte.



WARNUNG B

Durch den Austausch bestimmter Teile in der Separatortrommel-Baugruppe, kann ihr Schwingungspegel steigen. Dies kann zu einer kürzeren Lebensdauer von Teilen, wie z.B. Wälzlagern und Getrieben, führen. Bei einer schweren Unwucht kann die rotierende Trommelbaugruppe in Kontakt mit dem Gestell kommen, was zu Beschädigungen der Ausrüstung oder Personenverletzungen führen kann. Es wird dringend empfohlen, **den Austausch von einem Alfa Laval Service-Ingenieur beaufsichtigen zu lassen**. Alfa Laval übernimmt keine Haftung für eine Gerätebeschädigung oder Personenverletzung aufgrund einer ungenehmigten Montage dieser Teile.



WARNUNG C

Bestimmte Trommelteile haben Fräsmarken vom Auswuchten der kompletten Separatortrommel. Diese Teile dürfen nicht ohne eine Neuauswuchtung der kompletten Trommel ausgetauscht werden. Die Neuauswuchtung sollte in einer Alfa Laval Service-Werkstatt erfolgen.

fr

Respectez votre engagement de qualité en utilisant toujours des pièces de rechange d'origine Alfa Laval.

Attention, Alfa Laval décline toute responsabilité en cas de panne d'un séparateur équipé de pièces de rechange qui ne sont pas d'origine. Nous garantissons la qualité et la fiabilité de nos produits.



S0023121



AVERTISSEMENT B

Le remplacement de certaines pièces du bol du séparateur risque d'augmenter le niveau de vibrations, et donc de réduire la durée de vie des composants tels que les paliers à roulements et les engrenages. En cas de déséquilibre trop important, le bol en rotation risque d'entrer en contact avec des pièces du bâti, provoquant ainsi des détériorations de l'équipement et des blessures du personnel. Nous vous incitons fortement à faire réaliser le remplacement **sous la surveillance d'un technicien de maintenance Alfa Laval**. Alfa Laval n'assume aucune responsabilité en cas de détérioration du matériel ou de blessure du personnel résultant d'une installation non approuvée de ces pièces.



AVERTISSEMENT C

Certaines pièces du bol présentent des marques de repérage effectuées lors de l'équilibrage du bol du séparateur. Il ne faut pas remplacer ces pièces sans avoir au préalable procédé à un nouvel équilibrage de l'ensemble du bol. Cet équilibrage doit être réalisé dans un atelier de réparation Alfa Laval.

es

Proteja su compromiso con la calidad utilizando siempre repuestos originales Alfa Laval.

Recuerde que Alfa Laval no acepta ninguna responsabilidad por el fallo de una separadora equipada con repuestos no originales. Alfa Laval garantiza la calidad y la fiabilidad de sus productos.



ADVERTENCIA B

Cuando se cambian ciertas piezas del conjunto del rotor de la separadora, puede que se produzca un aumento del nivel de vibraciones, lo que puede provocar un desgaste de algunos componentes, como los rodamientos de rodillos y los engranajes. Si se produce un desequilibrio importante, el conjunto del rotor en movimiento puede rozar con el bastidor, causando serios daños al equipo y al personal. Se recomienda encarecidamente que el cambio sea **supervisado por un técnico de mantenimiento de Alfa Laval**. Alfa Laval no se hace responsable de los daños materiales o daños personales provocados por la instalación no autorizada de esas piezas.



ADVERTENCIA C

Algunas piezas del rotor llevan marcas estampadas para el equilibrio del rotor completo de la separadora. Siempre que se cambien estas piezas se debe equilibrar de nuevo todo el rotor, operación que debe ser realizada por un experto de un centro de servicio Alfa Laval.

ru

Для обеспечения качества работы вашего оборудования используйте только подлинные запасные детали компании Alfa Laval.

Помните: компания Alfa Laval не несет ответственность за нарушения работы сепаратора, на котором установлены не подлинные запасные детали. Мы гарантируем качество и надежность нашей продукции.



1.2/02.2008



ПРЕДУПРЕЖДЕНИЕ В

В случае замены некоторых частей устройства барабана сепаратора может повыситься уровень вибрации. Это может привести к сокращению срока службы компонентов, таких как подшипники и привод. В случае значительного дисбаланса, устройство вращающегося барабана может войти в контакт со станиной, что приведет к серьезному повреждению оборудования и травмам обслуживающего персонала. Настоятельно рекомендуется, чтобы замена была **проконтролирована инженером по обслуживанию компании Alfa Laval**. Компания Alfa Laval не несет никакой ответственности за повреждения собственности или травмы персонала в результате неразрешенной установки этих деталей.



ПРЕДУПРЕЖДЕНИЕ С

На некоторых частях барабана поставлены отметки после балансировки барабана сепаратора полностью. Эти части не могут быть заменены без повторной балансировки всего устройства барабана сепаратора. Повторная балансировка должна быть произведена в ремонтном центре Alfa Laval.

it

Salvaguardate la qualità del vostro separatore utilizzando sempre ricambi originali Alfa Laval.

Ricordate che la Alfa Laval non accetta alcuna responsabilità in caso di difetti al separatore dovuti all'utilizzo di ricambi non originali. La Alfa Laval garantisce la qualità e l'affidabilità esclusivamente dei propri prodotti.



S0023821



AVVERTENZA B

In seguito alla sostituzione di alcune parti del tamburo del separatore, il livello di vibrazioni può aumentare. Questo può comportare la riduzione della vita utile di componenti quali cuscinetti a rulli ed ingranaggi. In caso di elevato spostamento, il tamburo può entrare a contatto con le parti del telaio provocando seri danni all'attrezzatura e lesioni alle persone. Si raccomanda caldamente di far **controllare la sostituzione da un tecnico di assistenza Alfa Laval**. La Alfa Laval non assume alcuna responsabilità per danni alle cose o lesioni al personale dovuti all'installazione non autorizzata delle suddette parti.



AVVERTENZA C

Alcune parti del tamburo dipendono dal bilanciamento complessivo del tamburo del separatore. Le suddette parti non possono essere sostituite senza procedere ad un nuovo bilanciamento. Per ottenere i migliori risultati, rivolgersi ad un centro assistenza Alfa Laval per il ribilanciamento dell'intero gruppo.

pt

Preserve o seu compromisso com a qualidade utilizando sempre peças originais Alfa Laval.

Não se esqueça de que a Alfa Laval não assume quaisquer responsabilidades pela avaria dum separador que não esteja equipado com peças originais. Por isso, asseguramos a garantia da qualidade e fiabilidade dos nossos produtos.



50023021



AVISO B

Ao mudar determinadas peças no conjunto do rotor da separadora, poderá provocar um aumento da vibração. Tal poderá originar a redução do tempo de duração dos componentes, tais como rolamentos de roletes e engrenagens. Caso se verifique um desequilíbrio acentuado, o conjunto do rotor giratório poderá entrar em contacto com a estrutura, vindo a provocar danos no equipamento e ferimentos pessoais. Recomenda-se vivamente que a substituição de peças seja **vistoriada por um técnico de serviço da Alfa Laval**. A Alfa Laval não assume qualquer responsabilidade por danos em bens ou ferimentos pessoais resultantes da instalação não autorizada daquelas peças.



AVISO C

Determinadas partes do rotor contêm marcas de atrito do balanceamento do rotor do separador completo. Estas peças não devem ser substituídas sem reequilibrar o rotor completo. O reequilíbrio deve ser executado por uma centro de assistência Alfa Laval.

fi

Varmista käyttämiesi tuotteiden laatu käyttämällä aina aitoja ja alkuperäisiä Alfa Laval -varaosia.

Muista, ettei Alfa Laval voi vastata sellaisen separaattorin toimintahäiriöstä, jossa on käytetty muita kuin alkuperäisiä varaosia. Me takaamme omien tuotteidemme laadun ja luotettavuuden.



S0023821



VAROITUS B

Kun separaattorin kuula-asennelman tiettyjä osia vaihdetaan, sen tärinän taso voi kasvaa. Tämä voi johtaa joidenkin osien, kuten vierintälaakereiden ja hammasvaihteiden, käyttöiän lyhenemiseen. Jos asennelma joutuu pahasti epätasapainoon, pyörivä kuula-asennelma voi koskettaa runkoa ja aiheuttaa laite- ja henkilövahinkoja. Suosittelemme, että **Alfa Lavalin huoltoinsinööri valvoo** vaihtoa. Alfa Laval ei ota vastuuta omaisuudelle tai henkilökunnalle aiheutuneista vahingoista, mikäli ne johtuvat näiden osien väärin suoritetusta asennuksesta.



VAROITUS C

Tietyissä kuulan osissa on merkinnät koko separaattorikuulan tasapainotuksesta. Näitä osia ei saa vaihtaa ilman, että koko kuula tasapainotetaan. Tasapainotus on annettava Alfa Laval -korjaamon hoidettavaksi.

el

Διασφαλίστε τη δέσμευσή σας για ποιότητα χρησιμοποιώντας πάντοτε γνήσια ανταλλακτικά Alfa Laval.

Σας υπενθυμίζουμε ότι η Alfa Laval δεν αναλαμβάνει ευθύνη για τη βλάβη διαχωριστήρα που δεν είναι εξοπλισμένος με αυθεντικά ανταλλακτικά. Εγγυώμαστε την ποιότητα και την αξιοπιστία των προϊόντων μας.



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ΠΡΟΣΟΧΗ Β

Όταν αλλάζετε ορισμένα εξαρτήματα στο σύστημα του τυμπάνου του διαχωριστήρα, η στάθμη κραδασμών μπορεί να αυξηθεί. Αυτό μπορεί να έχει σαν αποτέλεσμα μικρότερη διάρκεια ζωής των εξαρτημάτων, όπως ρουλεμάν και γρανάζια. Σε περίπτωση σοβαρής έλλειψης ζυγοστάθμισης, το περιστρεφόμενο σύστημα του τυμπάνου μπορεί να έλθει σε επαφή με το πλαίσιο, προκαλώντας ζημιές στο μηχάνημα και τραυματισμό του προσωπικού. **Οι οποιοσδήποτε αλλαγές εξαρτημάτων πρέπει να γίνονται υπό την επίβλεψη μηχανικού της Alfa Laval.** Η Alfa Laval δεν φέρει καμμία ευθύνη για υλικές ζημιές ή για τραυματισμό του προσωπικού λόγω τοποθέτησης αυτών των εξαρτημάτων από μη εξουσιοδοτημένα άτομα.



ΠΡΟΣΟΧΗ C

Ορισμένα εξαρτήματα του τυμπάνου φέρουν ίχνη φρεζαρίσματος από τη ζυγοστάθμιση ολόκληρου του συστήματος του τυμπάνου του διαχωριστήρα. Αυτά τα εξαρτήματα δεν πρέπει να αντικατασταθούν χωρίς να ξαναγίνει ζυγοστάθμιση ολόκληρου του συστήματος του τυμπάνου του διαχωριστήρα. Η επαναζυγοστάθμιση πρέπει να γίνει σε κάποιο από τα επισκευαστικά κέντρα της Alfa Laval.

nl

Doe geen concessies aan kwaliteit en gebruik altijd originele Alfa Laval-reserveonderdelen.

Wij wijzen u erop, dat Alfa Laval geen verantwoordelijkheid kan aanvaarden voor defecten aan een separator die is uitgerust met niet-originele reserveonderdelen. Wij garanderen de kwaliteit en de betrouwbaarheid van onze producten.



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WAARSCHUWING B

Als er bepaalde onderdelen van de separatortrommel worden vervangen, kan het trillingsniveau veranderen. Dit kan leiden tot een verkorte levensduur van onderdelen als rollagers en tandwielen. Als er sprake is van een ernstige mate van onbalans, kan de roterende trommel in contact komen met het frame, wat kan leiden tot ernstige schade aan goederen of tot persoonlijk letsel. Het is dan ook ten sterkste aan te raden om onderdelen te laten vervangen **onder supervisie van een onderhoudstechnicus van Alfa Laval**. Alfa Laval aanvaardt geen enkele aansprakelijkheid voor schade aan goederen of persoonlijk letsel als gevolg van onoordeelkundige installatie van die onderdelen.



WAARSCHUWING C

Op bepaalde onderdelen van de trommel zitten freesmarkeringen van het uitbalanceren van de gehele separatortrommel. Deze onderdelen mogen niet worden vervangen zonder dat de gehele trommel opnieuw wordt uitgebalanceerd. Het opnieuw uitbalanceren moet gebeuren in een onderhoudswerkplaats van Alfa Laval.

da

Beskyt din investering i kvalitet ved altid at anvende originale reservedele fra Alfa Laval.

Husk at Alfa Laval påtager sig intet ansvar for fejl i separatorer, der er udstyret med uoriginale reservedele. Vi indestår for vore produkters kvalitet og driftssikkerhed.



ADVARSEL B

Ved udskiftning af visse dele i separatkuglen, kan vibrationsniveauet blive forøget. Dette kan forkorte levetiden for komponenter som kuglelejer og tandhjul. I tilfælde af kraftige vibrationer kan den roterende separatkugle komme i kontakt med rammedele, hvilket kan medføre alvorlig beskadigelse af udstyr og personskade. Det anbefales på det kraftigste, at udskiftningen sker **under tilsyn af en servicetekniker fra Alfa Laval**. Alfa Laval påtager sig intet ansvar for ting- eller personskade som følge af ikke-autoriseret montering af disse dele.



ADVARSEL C

Visse kugledele er forsynet med mærker fra afbalanceringen af den samlede separatkugle. Ved udskiftning af disse dele skal der foretages en ny afbalancering af den samlede kugleenhed. Afbalanceringen bør foretages af et Alfa Laval-servicecenter.

1.2 Translation list

Översättningslista
 Übersetzungsliste
 Liste de traduction
 Lista de traducciones

en	sv	de	fr	es
Part no.	Reservdelsnummer	Teil-Nr.	Numéro de pièce	Pieza No.
Qty	Antal	Anzahl	Quantité	Cantidad
Description	Benämning	Bezeichnung	Dénomination	Descripción
Notes	Anmärkning	Anmerkungen	Remarques	Notas
Machine type	Maskintyp	Maschinentyp	Type de machine	Tipo de máquina
Product no.	Produktnr	Produktnummer	Numéro de produit	Número de producto
Machine unit description	Maskinblocksbenämning	Bezeichnung des Maschinenblocks	Dénomination de partie de machine	Descripción de sección de la máquina
Machine unit no.	Maskinblocksnr	Maschinenblock Nr.	Partie de machine n°	No. de sección de máquina
Subassembly description	Undergruppsbenämning	Bezeichnung der Untergruppe	Dénomination de sous-ensemble	Descripción de subconjunto
Subassembly no.	Undergruppsnr	Untergruppe Nr.	N° de sous-ensemble	Número de subconjunto
See page	Se sidan	Siehe Seite	Voir page	Véase la página
Fig. ref.	Figurhänvisning	Bildhinweise	Réf. de fig.	Referencia de figura
Product name	Produktnamn	Produktname	Nom du produit	Nombre del producto
Exchange necessitates rebalancing of bowl	Utbyte nödvändiggör ombalansering av kulan	Austausch erfordert Wiederauswuchtung der Trommel	Le remplacement nécessite le rééquilibrage du bol	El racmbio requiere el reequilibrado del rotor
See separate spare parts list	Se separat reservdelslista	Siehe separate Ersatzteilliste	Voir liste séparée des pièces de rechange	Véase la lista de piezas separada
Not delivered as spare part	Leveras ej som reservdel	Nicht als Ersatzteil geliefert	Non livré comme pièce de rechange	No se entrega como pieza de recambio

Translation list

Словарь перевода
 Lista traduzioni
 Lista para tradução
 Käännösluettelo

en	ru	it	pt	fi
Part no.	Деталь №	Nr. parte	Numero de peca	Varaosanumero
Qty	Кол-во	Quantita	Quantidade	Lukumäärä
Description	Наименование	Descrizione	Descricao	Nimitys
Notes	Примечания	Note	Notas	Huomatuksia
Machine type	Машина типа	Tipo macchina	Tipo de maquina	Konetyyppi
Product no.	Артикул №	Nr. prodotto	No. do produto	Tuotteen no
Machine unit description	Наименование блока машины	Descrizione unita macchina	Descricao da unidade da maquina	Koneenosan nimitys
Machine unit no.	Блок машины №	Nr. unita macchina	Numero de unidade da maquina	Koneenosan no
Subassembly description	Наименование группы	Descrizione sottogruppo	Descricao do subconjunto	Alaryhmän nimitys
Subassembly no.	Группа №	Nr. sottogruppo	Número de subconjunto	Alaryhmän no
See page	См. страницу	Vedi pagina	Véase la página	Ks sivu
Fig. ref.	Ссылка на эскиз	Rif. fig.	Referencia de figura	Kuvaviite
Product name	Наименование артикула	Nome prodotto	Nombre del producto	Tuotteen nimi
Exchange necessitates rebalancing of bowl	Замена требует балансировки барабана	La sostituzione comporta la iequilibratura del tamburo	El racmbio requiere el reequilibrado del rotor	Vaihdettaessa kuula tasapainoitettava uudelleen
See separate spare parts list	См. отдельный перечень запасных частей	Vedi lista separata delle parti di ricambio	Véase la lista de piezas separada	Katso erillistä varaosaluettelo
Not delivered as spare part	Не поставлена вместе с запасными частями	Non fornito come parte di ricambio	No se entrega como pieza de recambio	Ei toimiteta varaosana

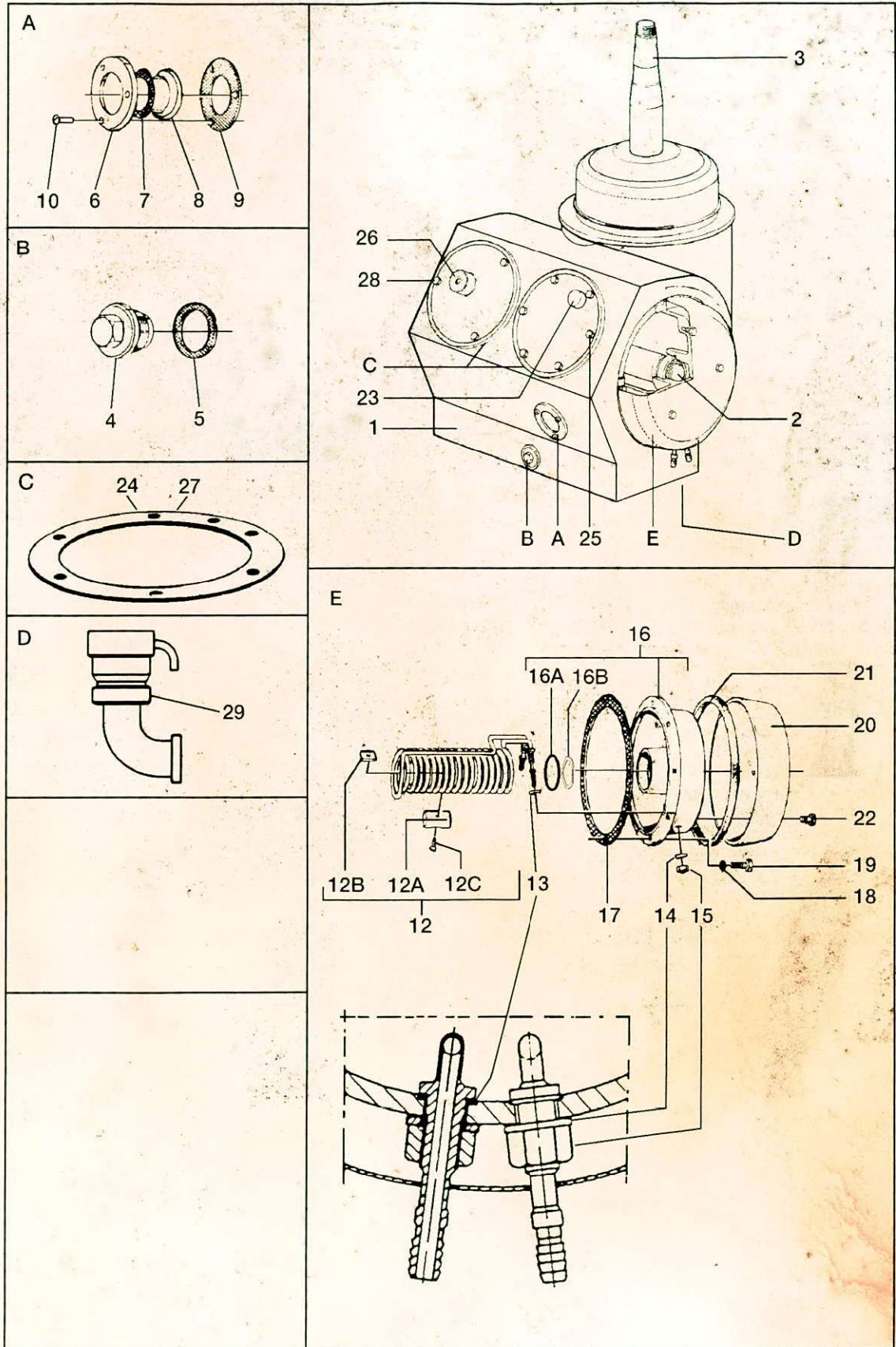
Translation list

ΓΛΩΣΣΑΡΙ
Vertaallijst
Oversættelsesliste

en	el	nl	da
Part no.	Αριθμός ανταλλακτικού	Onderdeelnr.	Reservedelsnummer
Qty	Σύνολο	Hoeveelheid	Antal
Description	Περιγραφή	Beschrijving	Betegnelse
Notes	Παρατηρήσεις	Opmerkingen	Bemærkninger
Machine type	Τύπος μηχανήματος	Machinetype	Maskintype
Product no.	Αριθμός προϊόντος	Produktnr.	Produktnr.
Machine unit description	Περιγραφή συγκροτήματος μηχανής	Machineblokbenaming	Maskinbetegnelse
Machine unit no.	Αριθμός συγκροτήματος μηχανής	Machineblokbenaming	Maskinnr.
Subassembly description	Περιγραφή υποσυγκροτήματος	Subgroepbenaming	Undergruppsbetegnelse
Subassembly no.	Αριθμός υποσυγκροτήματος	Subgroeprnr.	Undergruppenr.
See page	Βλέπε σελίδα	Zie blz.	Se side
Fig. ref.	Παραπομπή σε εικόνα	Afb. ref.	Figurhenviisning
Product name	Ονομασία προϊόντος	Produktnaam	Produktnavn
Exchange necessitates rebalancing of bowl	Ανταλλαγή απαιτεί επαναρρύθμιση ισορροπίας του τύμπανου	Vervanging vereist herbalanceren van de kogel	Udskriftning kraever ny afbalcering af kuglen
See separate spare parts list	Βλέπε ειδική λίστα ανταλλακτικών	Vervanging vereist van de kogel	Se spaat reservedelsliste
Not delivered as spare part	Δεν παραδίδεται ως ανταλλακτικό	Niet geleverd als reserveonderdeel	Levereres ikke som reservedel

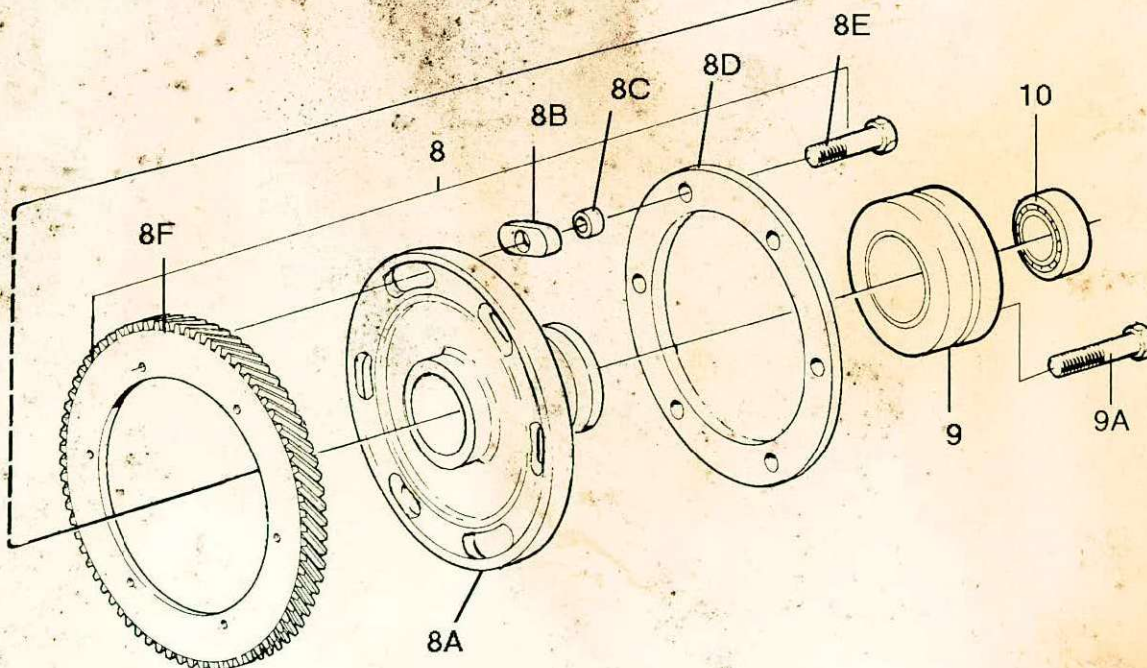
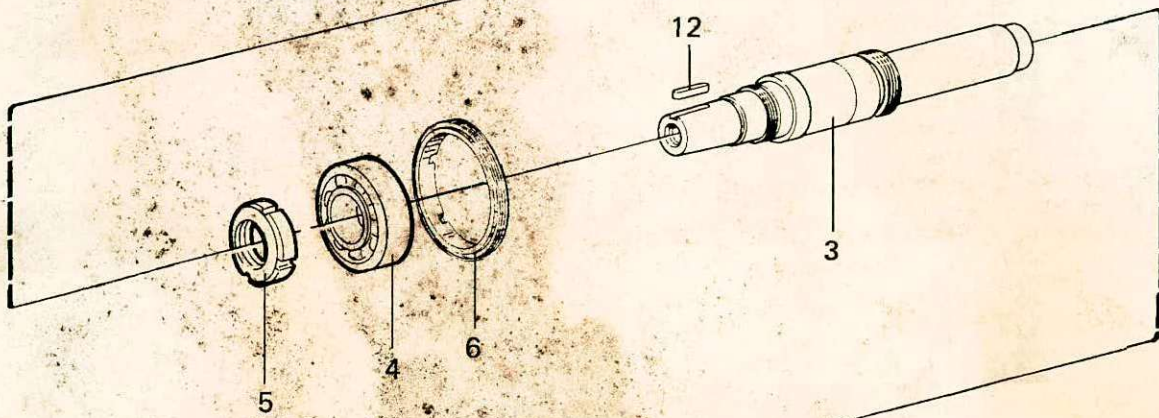
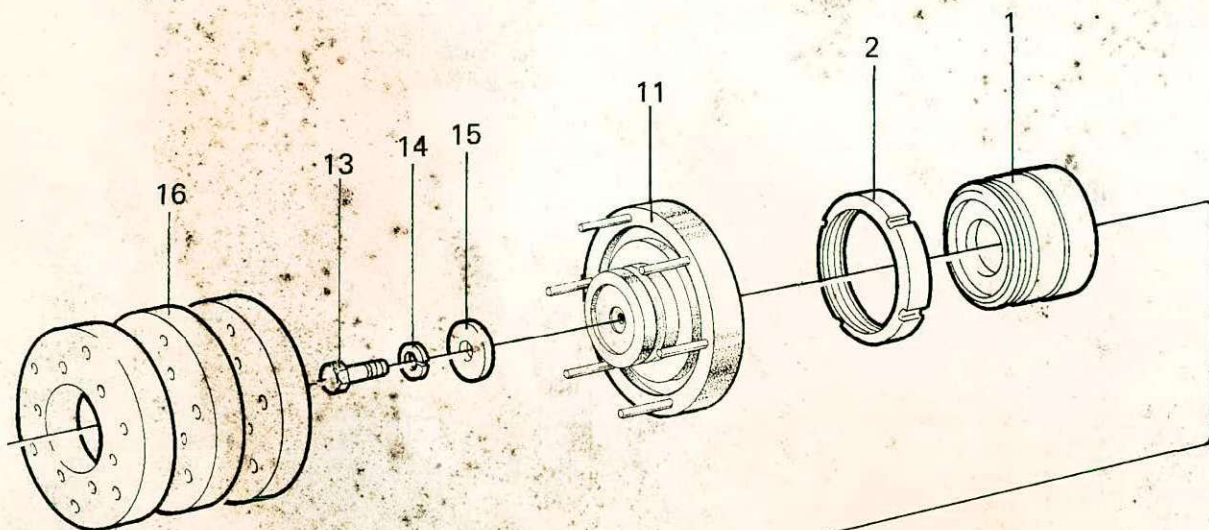
2 Machine bottom part

Ref	Part No	Description	Machine unit number or Subassembly description				Notes
			553136-				
			-35	-50	-43	Quantity	
		54 Hz with SMS coupling	↓				
		54 Hz with Clamp coupling		↓			
		65 Hz with Clamp coupling			↓		
1	556407 81	Frame bottom part complete	1	1	1		
2	546423 90	Driving device horizontal			1		See page 24
2	546423 94	Driving device horizontal	1	1			See page 24
3	546800 85	Driving device vertical	1	1			See page 26
3	546800 88	Driving device vertical			1		See page 26
4	526189 01	Drain screw	1	1	1		
5	223316 05	Rectangular ring	1	1	1		
6	523215 02	Fixing plate	1	1	1		
7	37167	Rectangular ring	1	1	1		
8	38685	Glass disc	1	1	1		
9	528723 01	Gasket	1	1	1		
10	221131 08	Screw	3	3	3		
12	534126 83	Cooling coil	1	1	1		
12 A	534127 01	Magnet	1	1	1		
12 B	534128 01	Washer	1	1	1		
12 C	260250 05	Screw	1	1	1		
13	73665	Rectangular ring	2	2	2		
14	223101 37	Washer	2	2	2		
15	221803 40	Nut	2	2	2		
16	560804 80	Bearing shield	1	1	1		
16 A	223406 36	O-ring	1	1	1		
16 B	554216 02	Corrugated-shim	1	1	1		
17	43626	Gasket	1	1	1		
18	223101 61	Washer	8	8	8		
19	221041 01	Screw	8	8	8		
20	528709 01	Guard	1	1	1		
21	43630	Seal strip	1	1	1		
22	221041 20	Screw	2	2	2		
23	528753 85	Worm wheel guard	1	1	1		See page 28
24	528732 01	Gasket	1	1	1		
25	221041 20	Screw	6	6	6		
26	535336 81	Remote control brake	1	1	1		See page 30
27	528732 01	Gasket	1	1	1		
28	221041 20	Screw	3	3	3		
29	546657 81	Inlet device	1				See page 32
29	546657 82	Inlet device		1	1		See page 34



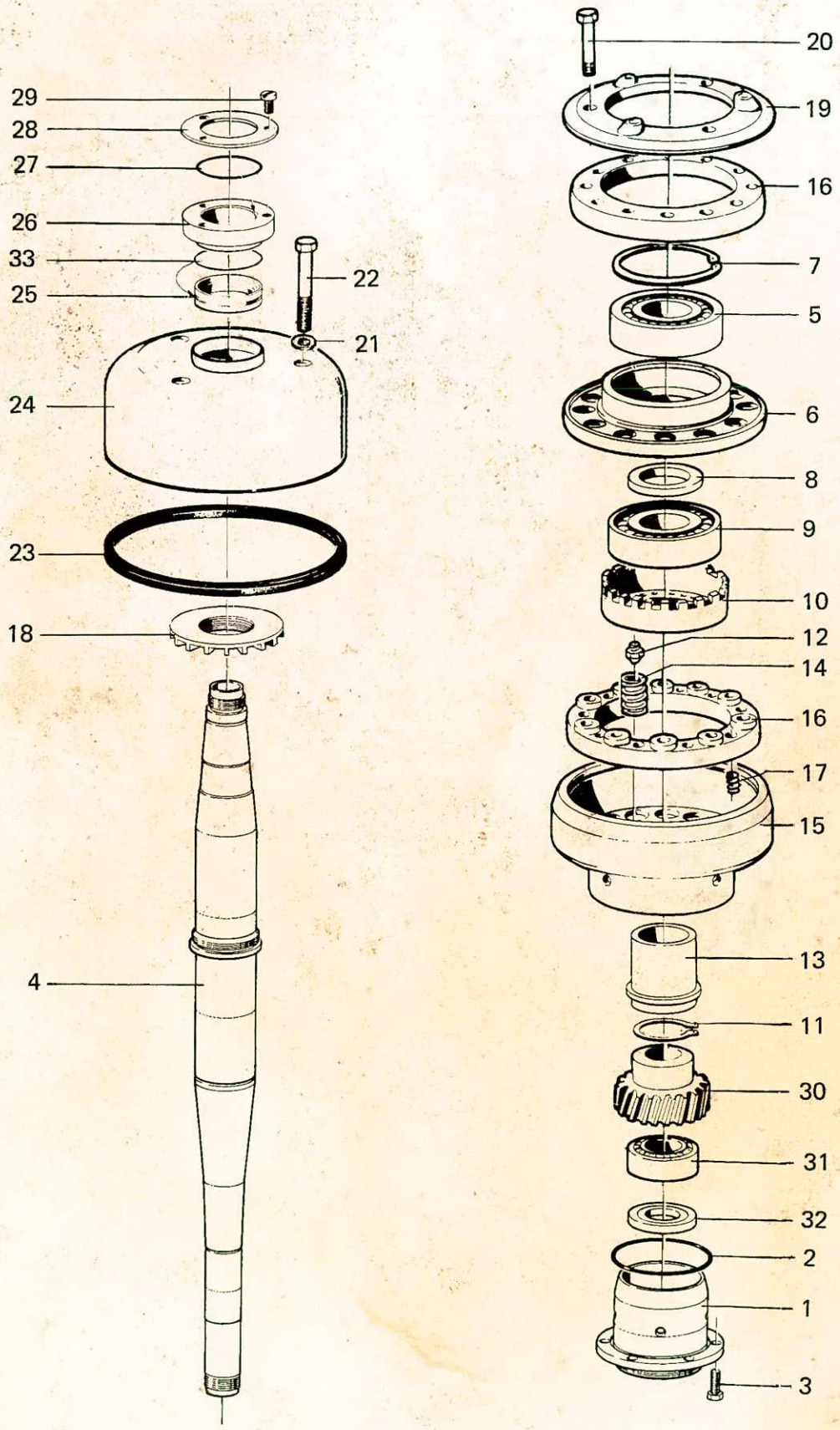
2.1 Driving device horizontal

Ref	Part No	Description	Machine unit number or Subassembly description 546423-		Quantity	Notes
			-94	-90		
		50 Hz	↓			
		60 Hz		↓		
1	544786 01	Bearing housing	1	1		
2	541985 01	Round nut	1	1		
3	546424 80	Worm wheel shaft	1	1		
4	233211 94	Ball bearing	1	1		
5	67478	Round nut	1	1		
6	544789 01	Lock ring	1	1		
8	545803 86	Worm wheel complete	1			
8	545803 87	Worm wheel complete		1		
8A	545705 02	Nave	1	1		
8B	545704 01	Buffer	6	6		
8C	545703 01	Sleeve	6	6		
8D	545706 01	Ring	1	1		
8E	221036 20	Screw	6	6		
8F	545725 08	Gear rim	1			
8F	545725 09	Gear rim		1		
9	541988 01	Clamp element	1	1		
9A	221035 61	Hexagon head screw	12	12		
10	8379	Ball bearing	1	1		
11	544783 81	Coupling pulley	1	1		
12	223610 32	Flat key	1	1		
13	260001 39	Screw	1	1		
14	223107 28	Spring washer	1	1		
15	541991 01	Washer	1	1		
16	60571	Elastic plate	3	3		



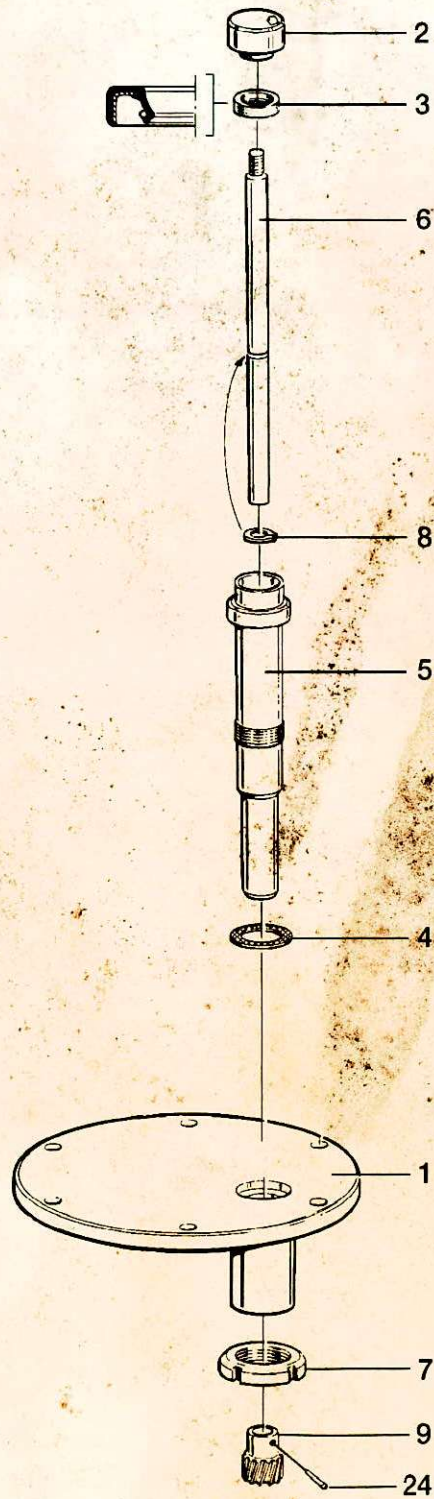
2.2 Driving device vertical

Ref	Part No	Description	Machine unit number or Subassembly description 546800-				Notes
			-85 -86		Quantity		
		50 Hz	↓				
		60 Hz		↓			
1	546607 01	Bottom bearing housing	1	1			
2	223406 17	O-ring	1	1			
3	221721 12	Screw	6	6			
4	546439 03	Bowl spindle	1	1			
5	548747 07	Ball bearing	1	1			
6	542451 02	Ball bearing housing	1	1			
7	223642 49	Snap ring	1	1			
8	533415 01	Spacing sleeve	1	1			
9	548745 04	Ball bearing	1	1			
10	542450 02	Bearing housing	1	1			
11	223641 01	Snap ring	1	1			
12	538129 01	Guide pin	12	12			
13	543318 01	Sleeve	1	1			
14	260083 41	Compression spring	12	12			
15	542452 02	Top bearing support	1	1			
16	529639 02	Rubber buffer	2	2			
17	70714	Spring	12	12			
18	542026 02	Oil fan	1	1			
19	542027 02	Top bearing cover	1	1			
20	221045 35	Screw	3	3			
21	541453 05	Usit-ring	3	3			
22	221046 16	Screw	3	3			
23	555231 01	Seal ring	1	1			
24	543179 01	Guard	1	1			
25	544271 01	Seal ring	1	1			
26	544272 01	Protecting collar	1	1			
27	223412 18	O-ring	1	1			
28	543188 01	Protecting plate	1	1			
29	221131 07	Screw	3	3			
30	541661 01	Worm	1				
30	541661 02	Worm		1			
31	548746 04	Ball bearing	1	1			
32	546601 01	Protecting collar	1	1			
33	223406 36	O-ring	1	1			



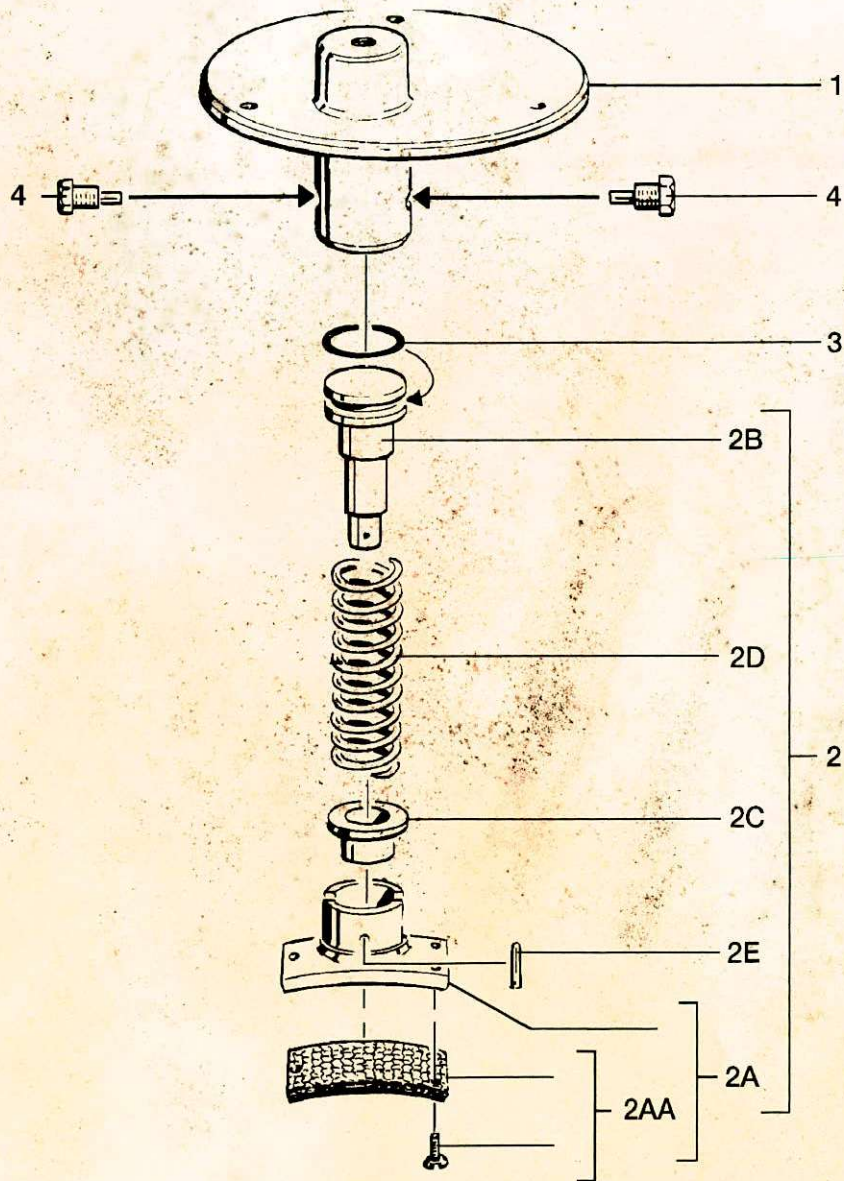
2.3 Worm wheel guard

Ref	Part No	Description	Machine unit number or Subassembly description				Notes
			-85	528753-			
			Quantity				
1	544165 02	Worm wheel guard	1				
2	526694 03	Protecting collar	1				
3	223521 08	Seal ring	1				
4	223434 02	Rectangular ring	1				
5	528743 01	Bushing	1				
6	526693 04	Shaft	1				
7	67473	Round nut	1				
8	67542	Snap ring	1				
9	69214	Gear wheel	1				
24	69226	Taper pin	1				



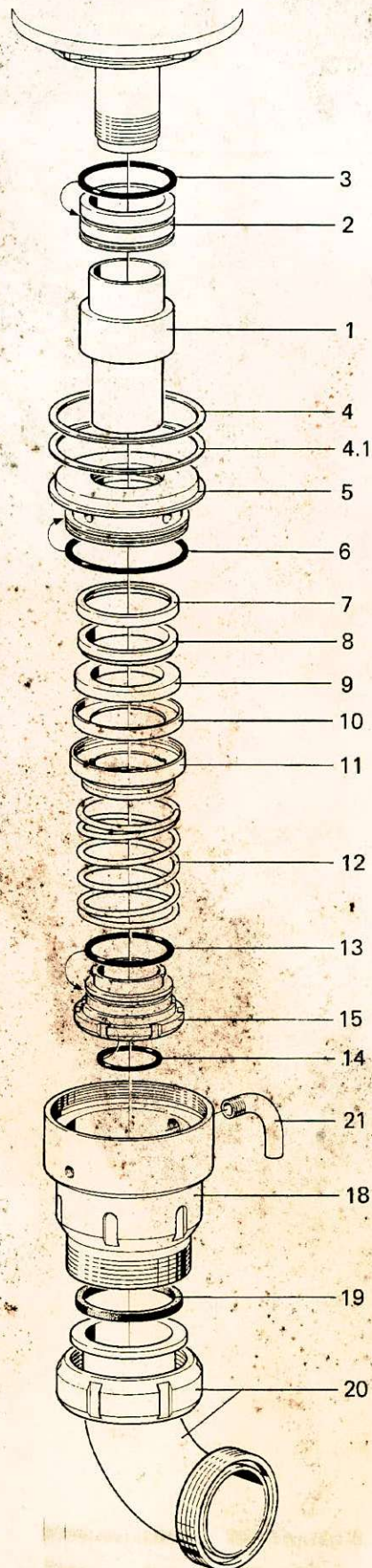
2.4 Remote control brake

Ref	Part No	Description	Machine unit number or Subassembly description 535336-						Notes
			-81	Quantity					
1	544788 80	Protecting cover	1						
2	535201 83	Brake shoe	1						
2A	537802 86	Brake shoe	1						
2AA	310637 84	Friction pad	1						
2B	535202 01	Piston rod	1						
2C	535206 01	Gland	1						
2D	226214 83	Spring	1						
2E	67960	Slotted pin	1						
3	223406 27	O-ring	1						
4	535207 01	Stop screw	2						



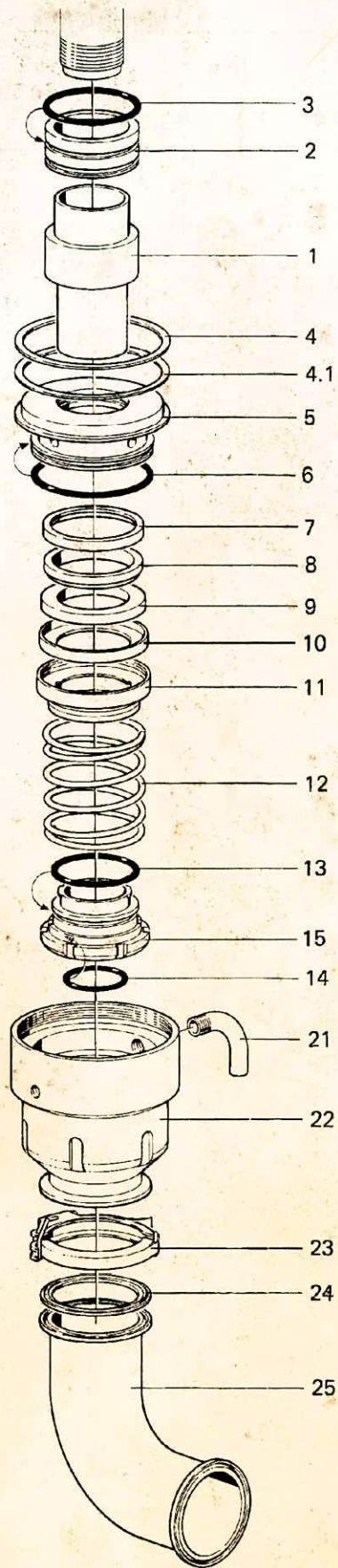
2.5 Inlet device, SMS coupling

Ref	Part No	Description	Machine unit number or Subassembly description						Notes	
			546657-							
			-81	Quantity						
1	546636 01	Sleeve	1							
2	546635 01	Throttle ring	1							
3	223406 15	O-ring	1							
4	546637 01	Height adjusting ring 1,0 mm	3							
4.1	546637 02	Height adjusting ring 0,5 mm	1							
5	546610 01	Intermediate part	1							
6	223406 14	O-ring	1							
7	540829 05	Gasket	1							
8	541648 05	Seal ring	1							
9	541649 06	Wear ring	1							
10	540829 06	Gasket	1							
11	541850 01	Holder for wear ring	1							
12	545499 02	Compression spring	1							
13	260104 79	O-ring	1							
14	223406 58	O-ring	1							
15	546450 01	Guide sleeve	1							
18	546655 01	Inlet housing	1							
19	190605	Rectangular ring	1							
20	191033	Elbow pipe	1							
21	545461 01	Tube bend	1							



2.6 Inlet device, Clamp coupling

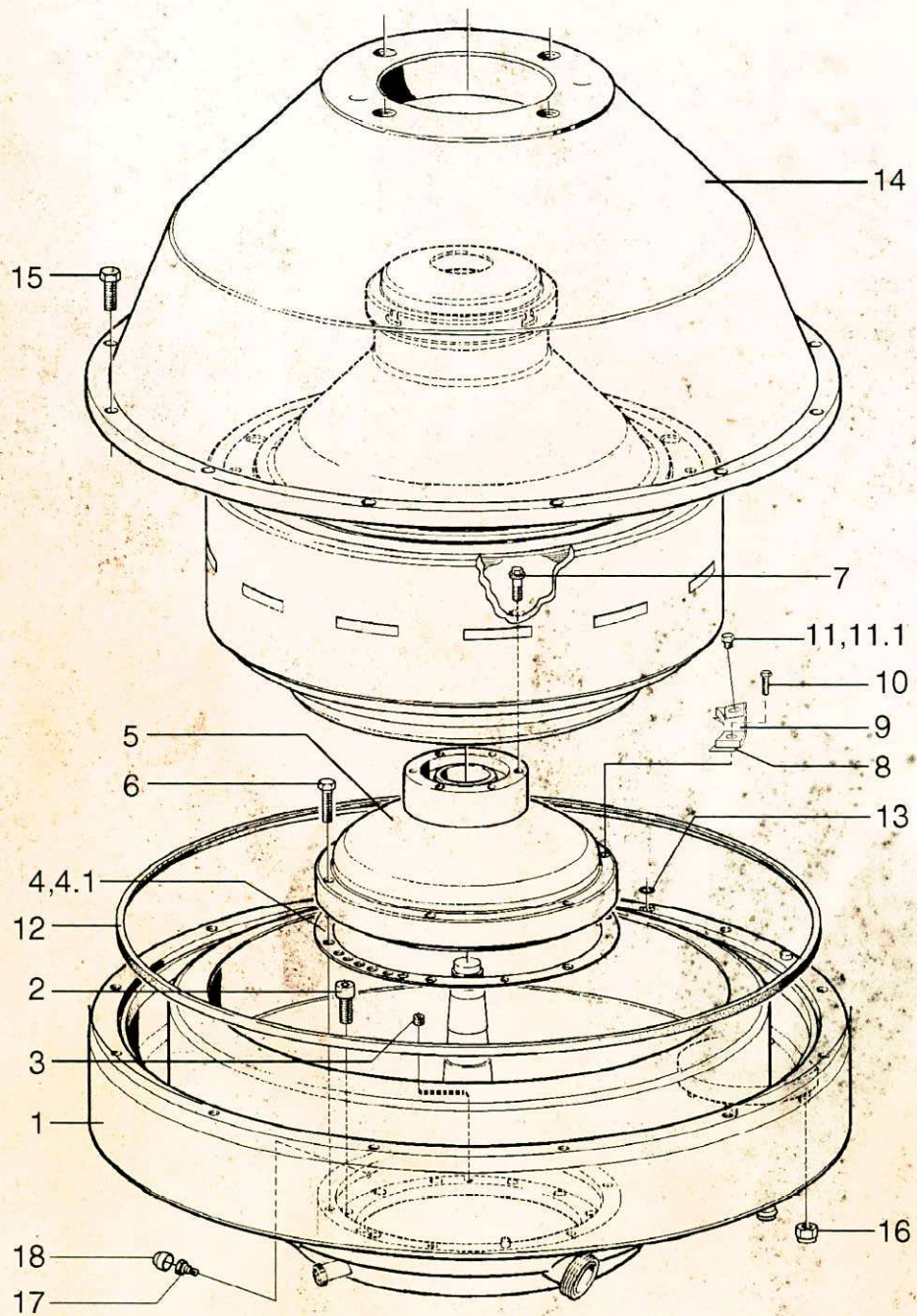
Ref	Part No	Description	Machine unit number or Subassembly description						Notes
			546657-						
			-82	Quantity					
1	546636 01	Sleeve	1						
2	546635 01	Throttle ring	1						
3	223406 15	O-ring	1						
4	546637 01	Height adjusting ring 1,0 mm	3						
4.1	546637 02	Height adjusting ring 0,5 mm	1						
5	546610 01	Intermediate part	1						
6	223406 14	O-ring	1						
7	540829 05	Gasket	1						
8	541648 05	Seal ring	1						
9	541649 06	Wear ring	1						
10	540829 06	Gasket	1						
11	541650 01	Holder for wear ring	1						
12	545499 02	Compression spring	1						
13	260104 79	O-ring	1						
14	223406 58	O-ring	1						
15	546450 01	Guide sleeve	1						
21	545461 01	Tube bend	1						
22	548412 01	Inlet housing	1						
23	538247 04	Clamp coupling	1						
24	538248 03	Gasket	1						
25	541709 80	Elbow pipe	1						



3 Machine top part

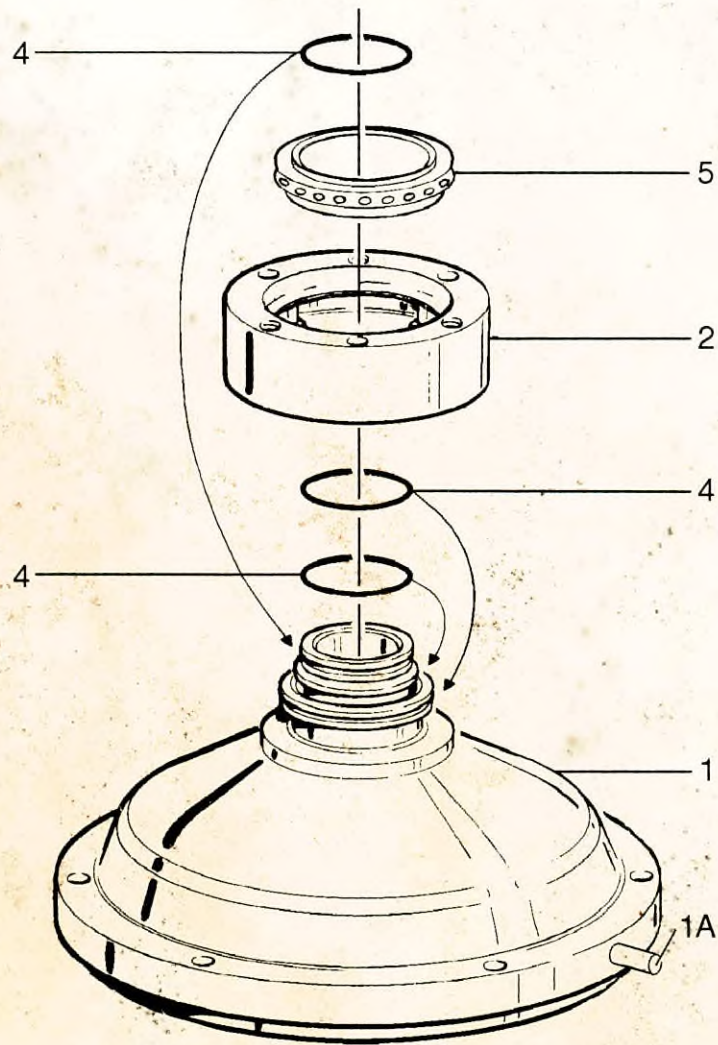
Frame top part (ring cover) without wing in the sediment outlet

Ref	Part No	Description	Machine unit number or Subassembly description				Notes
			562032-				
			-01	Quantity			
1	561937 80	Frame top part	1				
2	221731 08	Screw	12				
3	260080 36	Set screw	3				
4	555245 01	Height adjusting ring 1,0 mm	3				
4.1	555245 02	Height adjusting ring 2,0 mm	1				Alternative
5	528249 91	Paring disc device	1				See page 38
6	221046 04	Screw	6				
7	545633 01	Screw	3				
8	555453 01	Gasket	1				
9	555447 02	Nozzle holder	1				
10	221031 29	Screw	2				
11	542931 01	Nozzle	1				
11.1	526350 03	Plug	1				Alternative
12	545318 01	Seal strip	1				
13	223406 25	O-ring	1				
14	546540 80	Frame hood	1				
15	2210463 23	Screw	12				
16	221891 17	Lock nut	4				
17	556381 01	Adapter	1				
18	556384 01	Adapter cap	1				



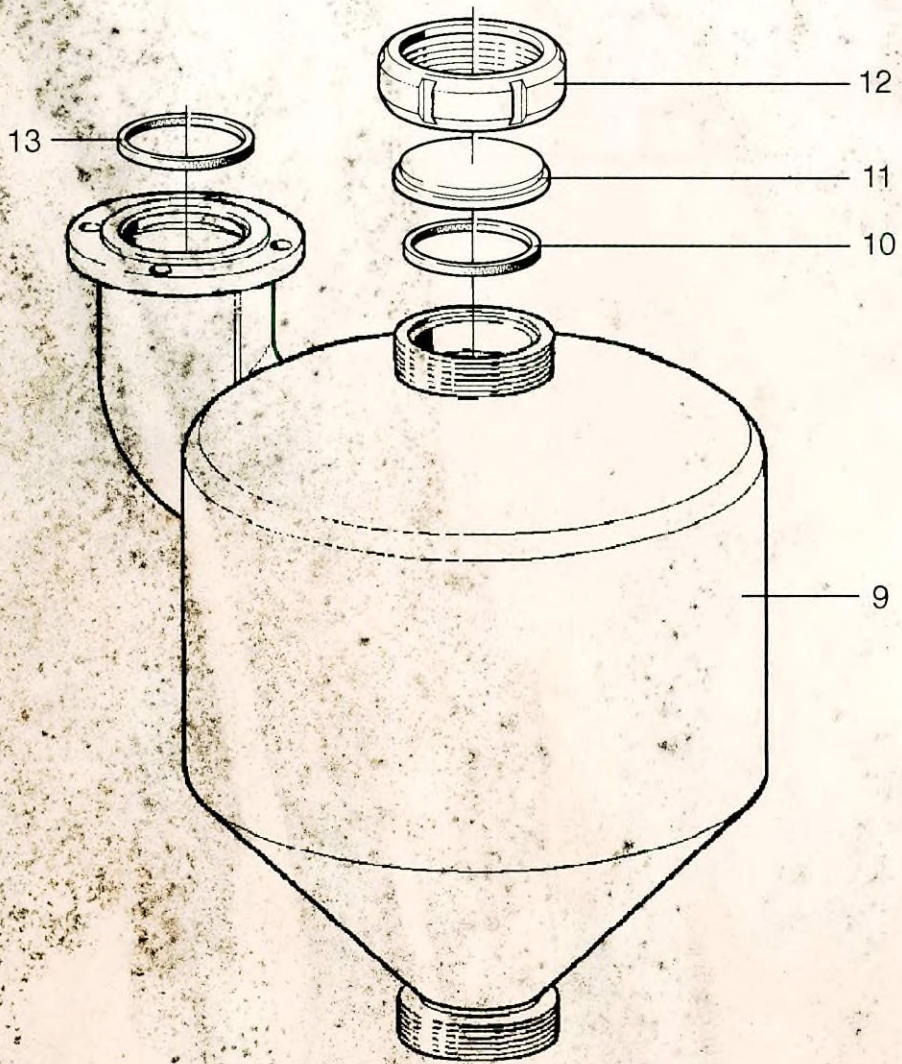
3.1 Paring disc device

Ref	Part No	Description	Machine unit number or Subassembly description 528249-							Notes
			-91	Quantity						
1	539242 84	Distributing cover	1							
1 A	74403	Cylindrical pin	2							
2	528094 83	Distributing ring	1							
4	74634	O-ring	3							
5	544826 01	Control paring disc	1							



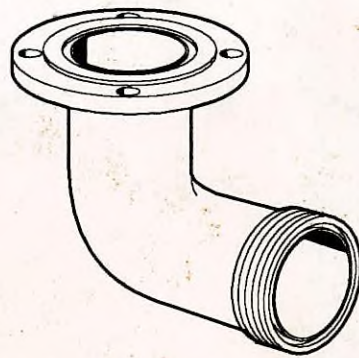
4 Cyclone

Ref	Part No	Description	Machine unit number or Subassembly description.				Notes
			-82	542991-			
			Quantity				
9	542991 03	Cyclone	1				
10	31317 0886	1 Rectangular ring	1				
11	31317 0334	1 Washer	1				
12	31317 0884	1 Coupling nut	1				
13	31317 0886	1 Rectangular ring	1				



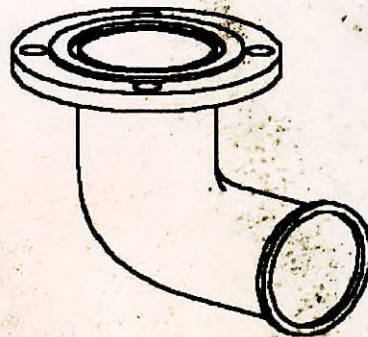
5 Outlet pipe, SMS Connection

Ref	Part No	Description	Machine unit number or Subassembly description 562051- -80	Notes
	562051 80	Outlet pipe, complete	Quantity 1	



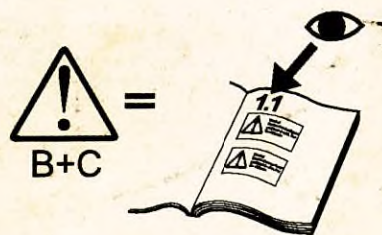
6 Outlet pipe, Clamp Connection

Ref	Part No	Description	Machine unit number or Subassembly description 560722- -80	Notes
	560722 80	Outlet pipe, complete	Quantity 1	

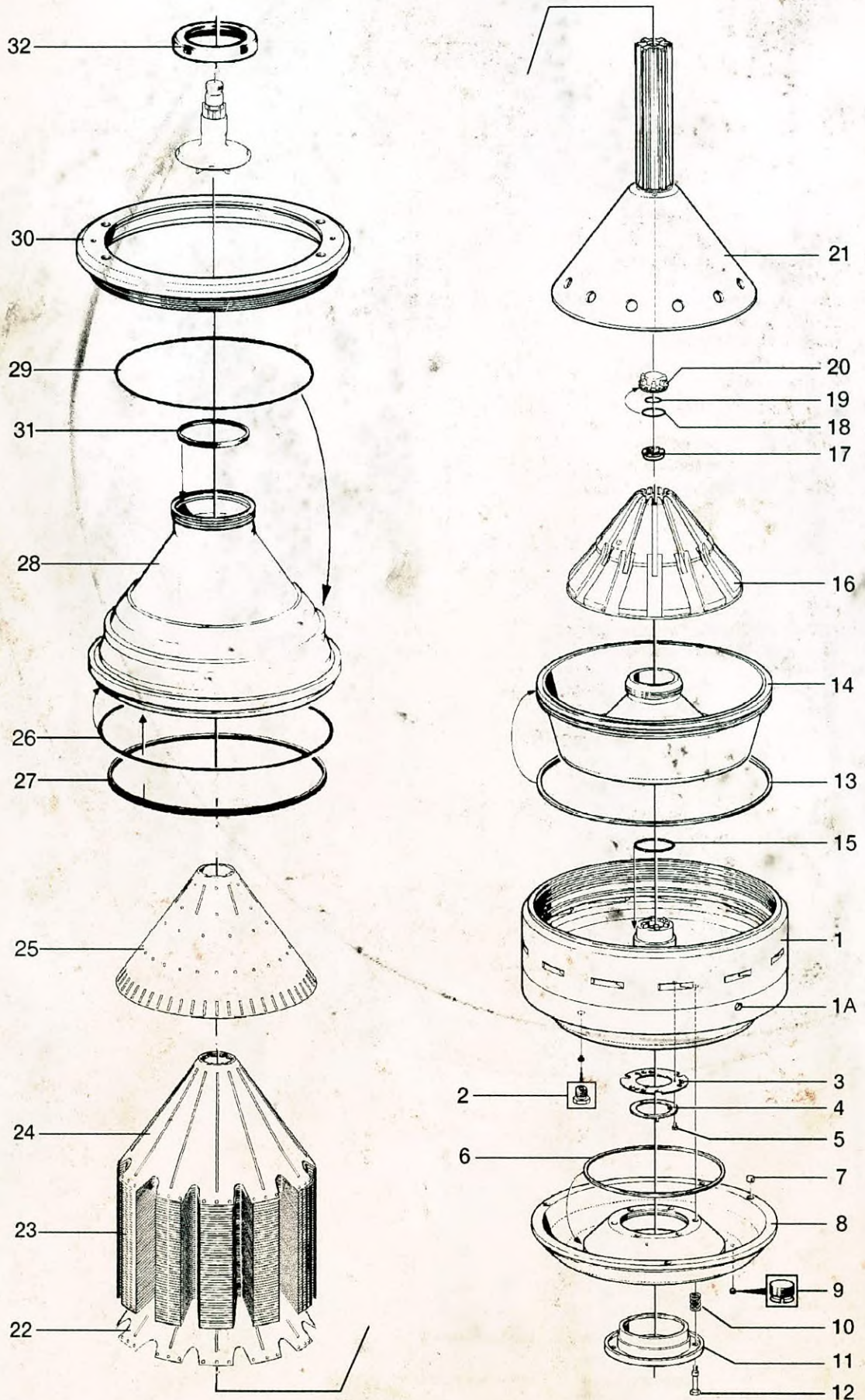


7 Separator bowl, with caulks 0,4 mm, Clarifier

Ref	Part No	Description	Machine unit number or Subassembly description 557368-						Notes
			-07	Quantity					
1	553802 84	Bowl body	1						C
1 A	561815 01	Plug	2						
2	638124 08	Nozzle Ø 5,0 mm	1						
3	543343 01	Gasket	1						
4	529608 01	Sleeve with wings	1						
5	221131 03	Screw	3						
6	543422 02	Rectangular ring	1						
7	537838 06	Valve plug	3						
8	539834 05	Operating slide	1						B
9	545771 01	Plug	2						
10	226214 74	Spring	24						
11	541690 81	Spring support	1						B
12	528168 02	Screw	6						
13	523116 04	Rectangular ring	1						
14	541692 04	Sliding bowl bottom	1						
15	223416 35	O-ring	1						
16	544381 81	Distributing cone	1						B
17	542182 01	Cap nut	1						
18	223406 64	O-ring	1						
19	223406 58	O-ring	1						
20	545769 02	Sleeve with wings	1						
21	543465 02	Distributor	1						B
22	543466 81	Bottom disc, caulks 0,4 mm	1						
23	543466 80	Bowl disc, caulks 0,4 mm	263						
24	543466 80	Bowl disc, caulks 0,4 mm	3						
25	546588 84	Bowl disc, caulks 1,5 mm	1						
26	521863 02	Rectangular ring	1						
27	543170 01	Seal ring	1						
28	557270 08	Bowl hood	1						C
29	74355	O-ring	1						
30	553764 04	Lock ring	1						B
31	529799 08	Rectangular ring	1						
32	519164 01	Lock ring	1						



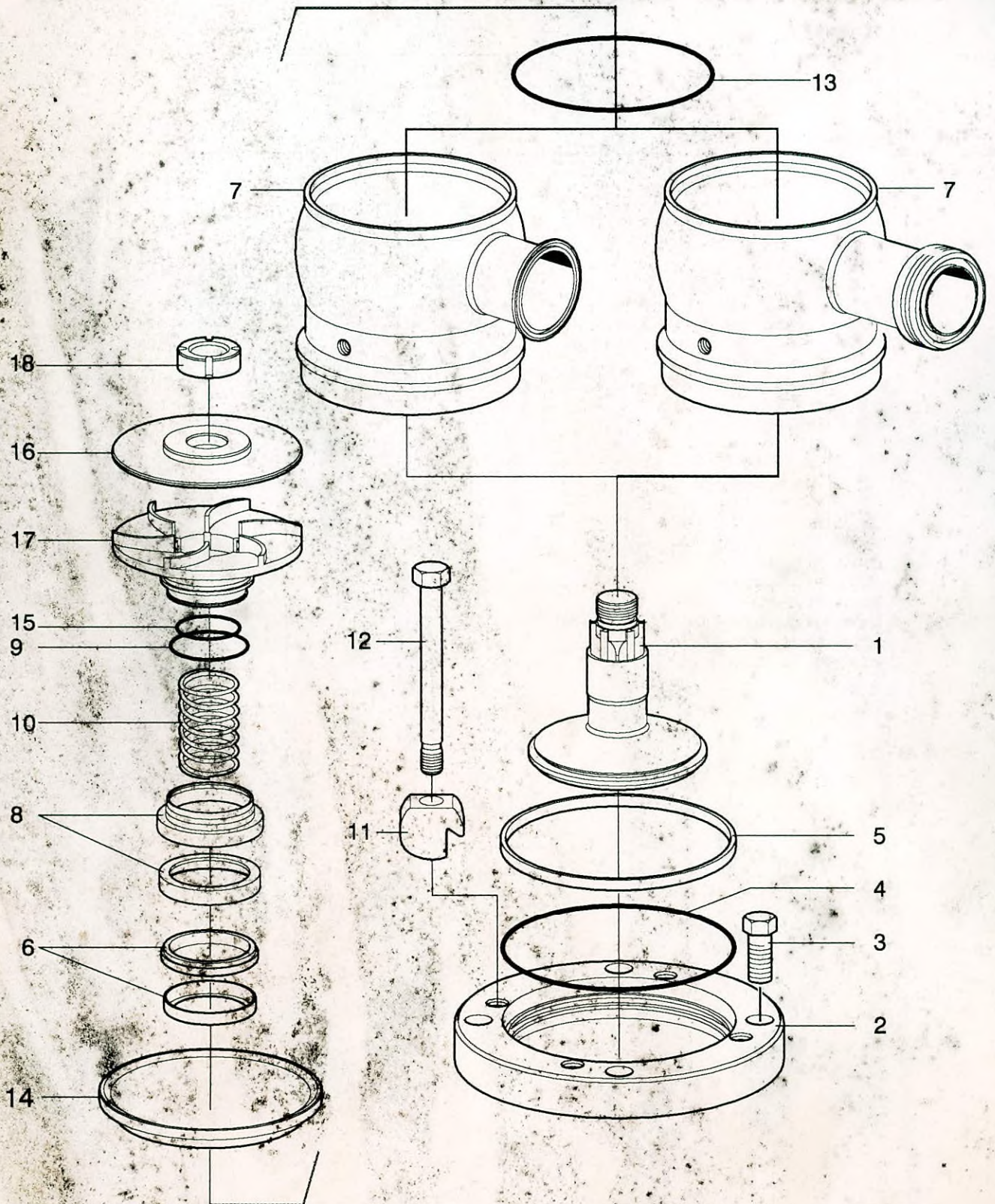
7 Separator bowl, with caulks 0,4 mm, Clarifier



8 Outlet device, high flow, SMS/ Clamp coupling

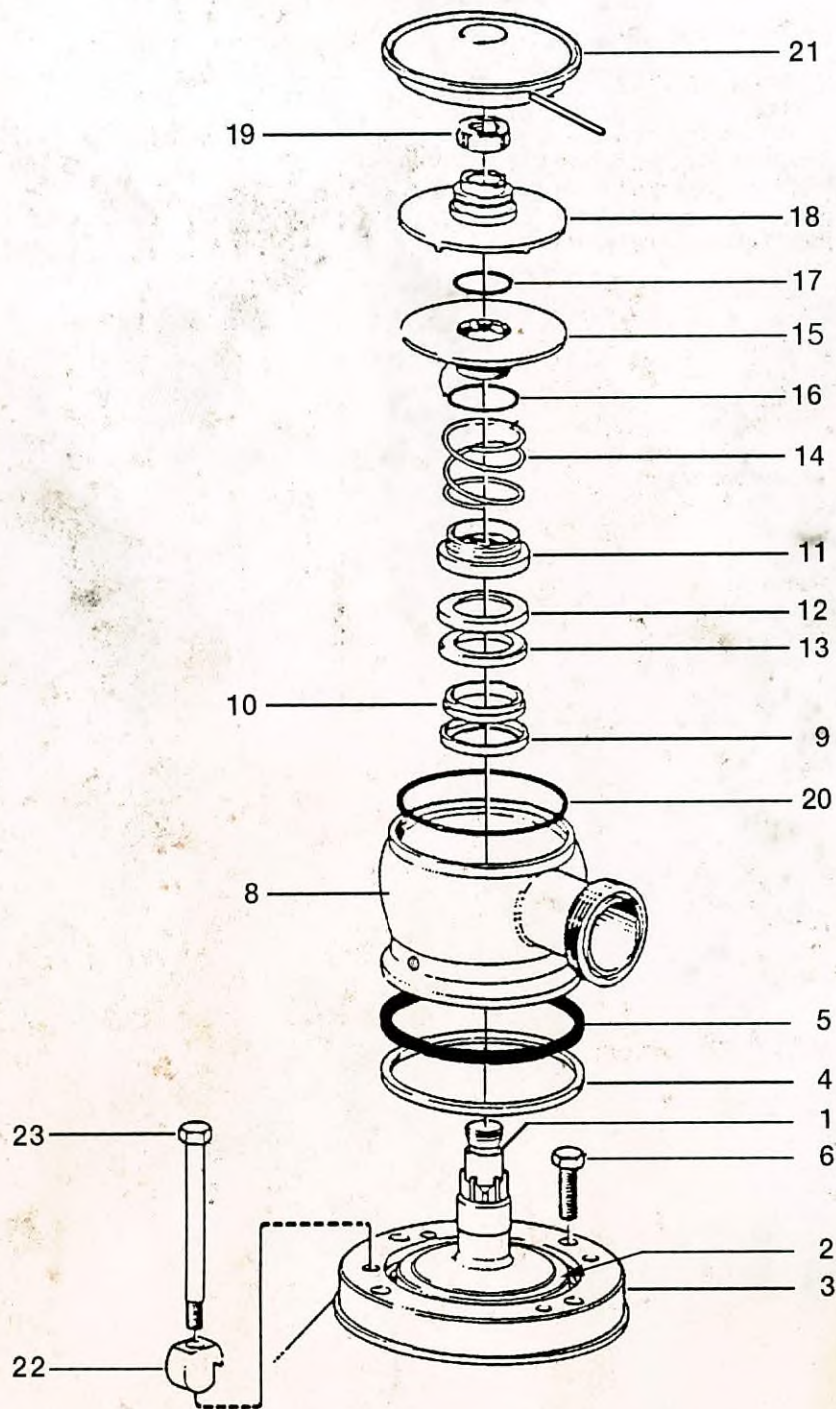
Ref	Part No	Description	Machine unit number or Subassembly description				Notes
			564849-				
			-01	-02	Quantity		
			↓	↓			
		SMS coupling					
		Clamp coupling					
1	564847 02	Outlet pipe	1	1			
2	559875 02	Centering ring	1	1			
3	2210463 28	Screw	4	4			
4	223412 85	O-ring	1	1			
5	559880 01	Height adjusting ring 4,0 mm	1	1			
5	559880 02	Height adjusting ring 5,0 mm	1	1			Alternative
5	559880 03	Height adjusting ring 6,0 mm	1	1			Alternative
5	559880 04	Height adjusting ring 7,0 mm	1	1			Alternative
5	559880 05	Height adjusting ring 8,0 mm	1	1			Alternative
6	564520 01	Stator kit	1	1			
7	564467 80	Outlet housing lower	1				
7	564467 81	Outlet housing lower		1			
8	564522 01	Rotor kit	1	1			
9	546198 52	O-ring	1	1			
10	564307 01	Spring	1	1			
11	538092 01	Hook	4	4			
12	546218 04	Screw	4	4			
13	223412 82	O-ring	1	1			
14	564846 01	Outlet cover	1	1			
15	260104 79	O-ring	1	1			
16	564845 01	Impeller top part	1	1			
17	564476 02	Impeller bottom part	1	1			
18	543462 01	Round nut	1	1			

8 Outlet device, high flow, SMS/ Clamp coupling



9 Outlet device, standard, SMS coupling

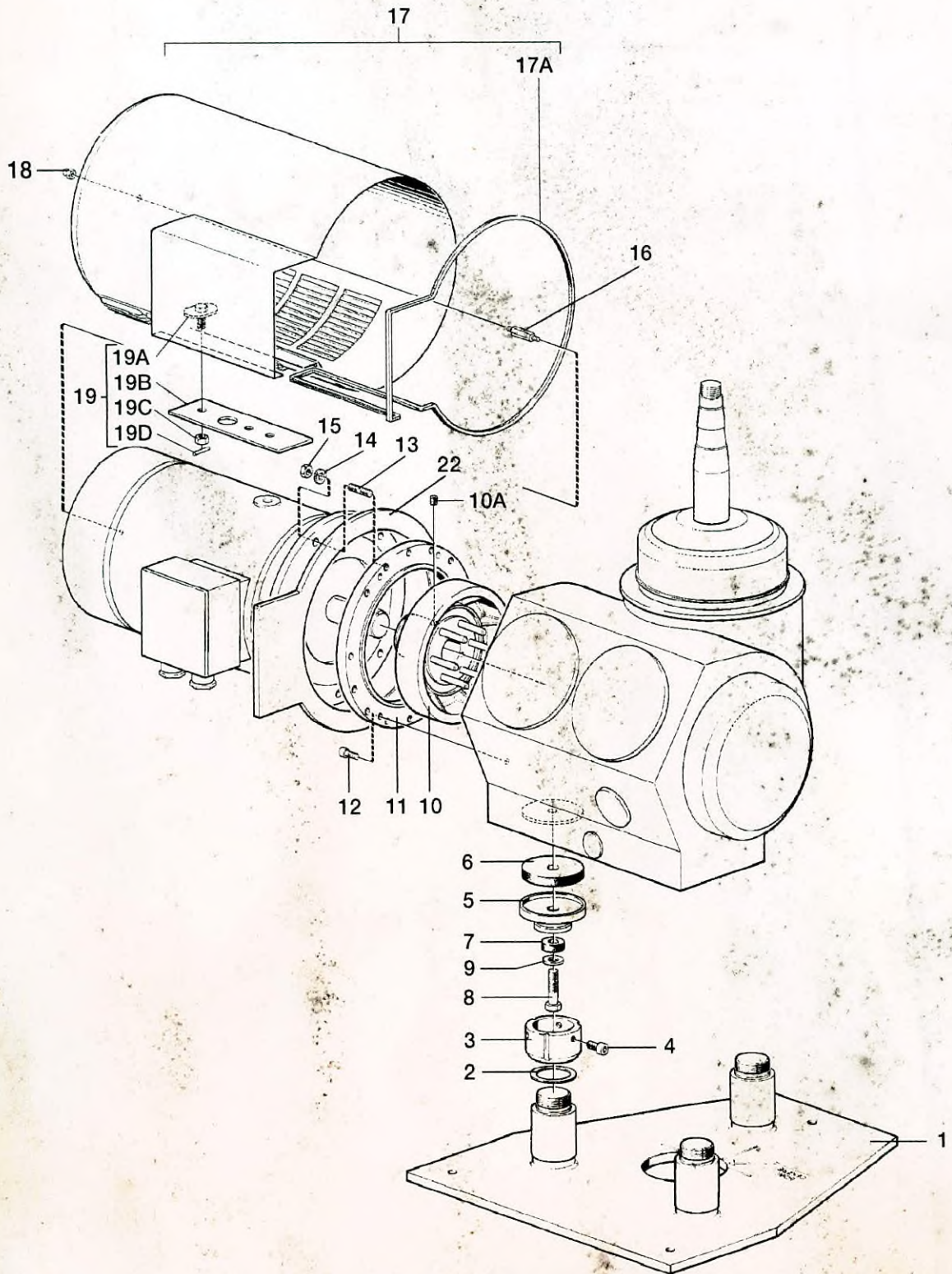
Ref	Part No	Description	Machine unit number or Subassembly description 562011-							Notes
			-01	Quantity						
1	560596 01	Outlet pipe	1							
2	546198 62	O-ring	1							
3	559875 01	Centering ring	1							
4	223412 85	O-ring	1							
5	559880 01	Height adjusting ring 4,0 mm	1							
5	559880 02	Height adjusting ring 5,0 mm	1							Alternative
5	559880 03	Height adjusting ring 6,0 mm	1							Alternative
5	559880 04	Height adjusting ring 7,0 mm	1							Alternative
5	559880 05	Height adjusting ring 8,0 mm	1							Alternative
6	2210463 23	Screw	4							
8	560597 80	Discharge housing lower	1							
9	540829 05	Gasket	1							
10	541648 05	Seal ring	1							
11	541650 01	Holder for wear ring	1							
12	540829 06	Gasket	1							
13	541649 06	Wear ring	1							
14	260083 48	Compression spring	1							
15	540527 02	Impeller bottom part	1							
16	260104 79	O-ring	1							
17	223406 24	O-ring	1							
18	540519 02	Impeller top part	1							
19	543462 01	Round nut	1							
20	2234121 25	O-ring	1							
21	545976 80	Discharge cover	1							
22	538092 01	Hook	4							
23	546218 02	Screw	4							



10 Parts for mounting of standard motor

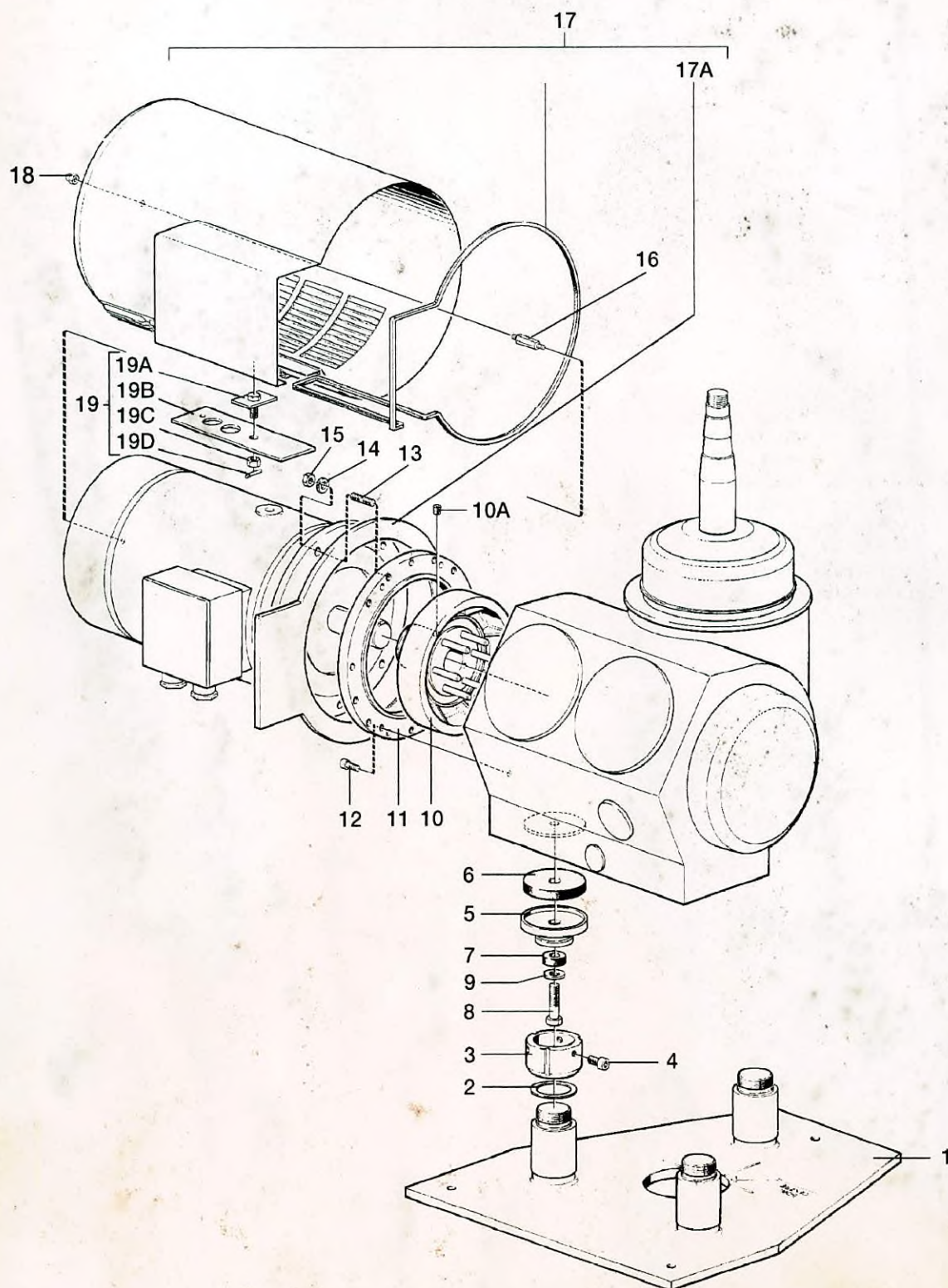
Ref	Part No	Description	Machine unit number or Subassembly description				Notes
			546093-				
			-04	Quantity			
1	543688 80	Foundation plate	1				
2	785332 02	Adjusting washer	18				
3	528729 02	Holder	3				
4	221731 11	Screw	9				
5	526186 02	Frame foot	3				
6	528738 02	Rubber cushion	3				
7	65235	Rectangular ring	3				
8	260001 21	Screw	3				
9	223142 04	Washer	3				
10	544782 80	Brake pulley	1				
10 A	221581 74	Screw	1				
11	544781 02	Motor adapter	1				
12	221726 09	Screw	6				
13	260176 01	Stud bolt	6				
14	70490	Washer	6				
15	221803 34	Nut	6				
16	544790 01	Spacing pin	1				
17	562145 80	Protecting cap	1				
17 A	43631	Seal strip	2				
18	221851 11	Cap nut	1				
19	562164 80	Cover plate for cowling	1				
19 A	562163 80	Locking plate complete	2				
19 B	562146 01	Cover	1				
19 C	221803 40	Nut	2				
19 D	68617	Slotted pin	2				
22	543775 81	Guide ring	1				

10 Parts for mounting of standard motor



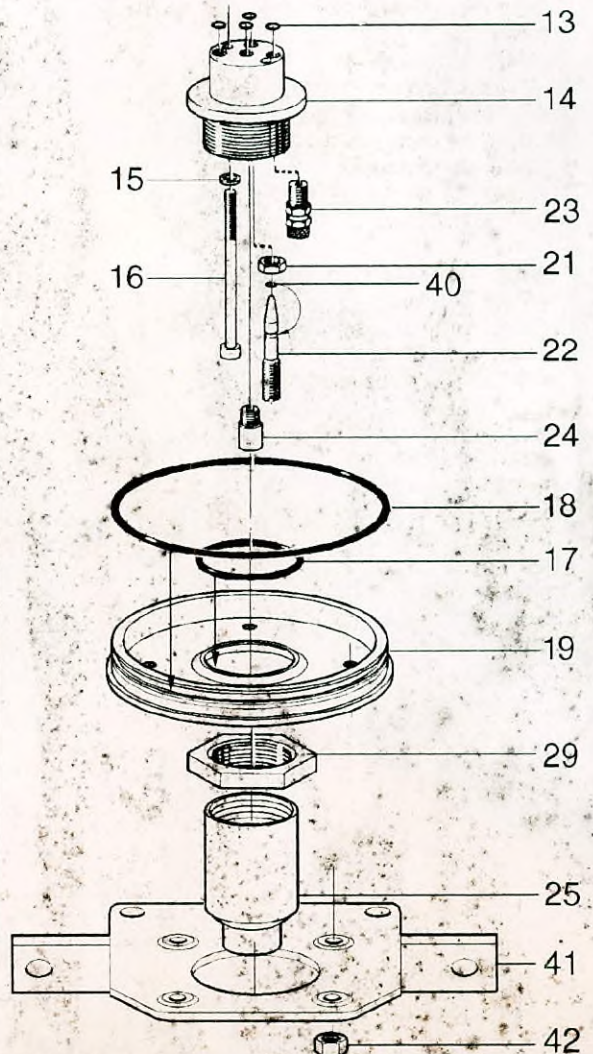
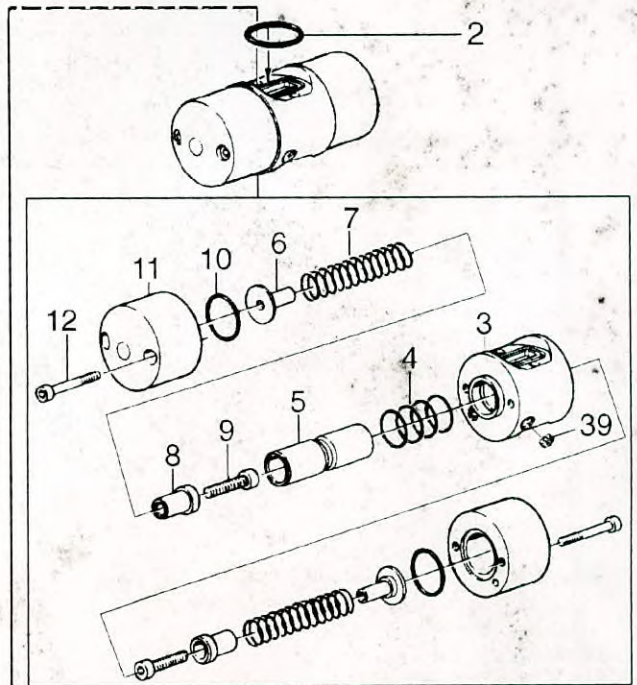
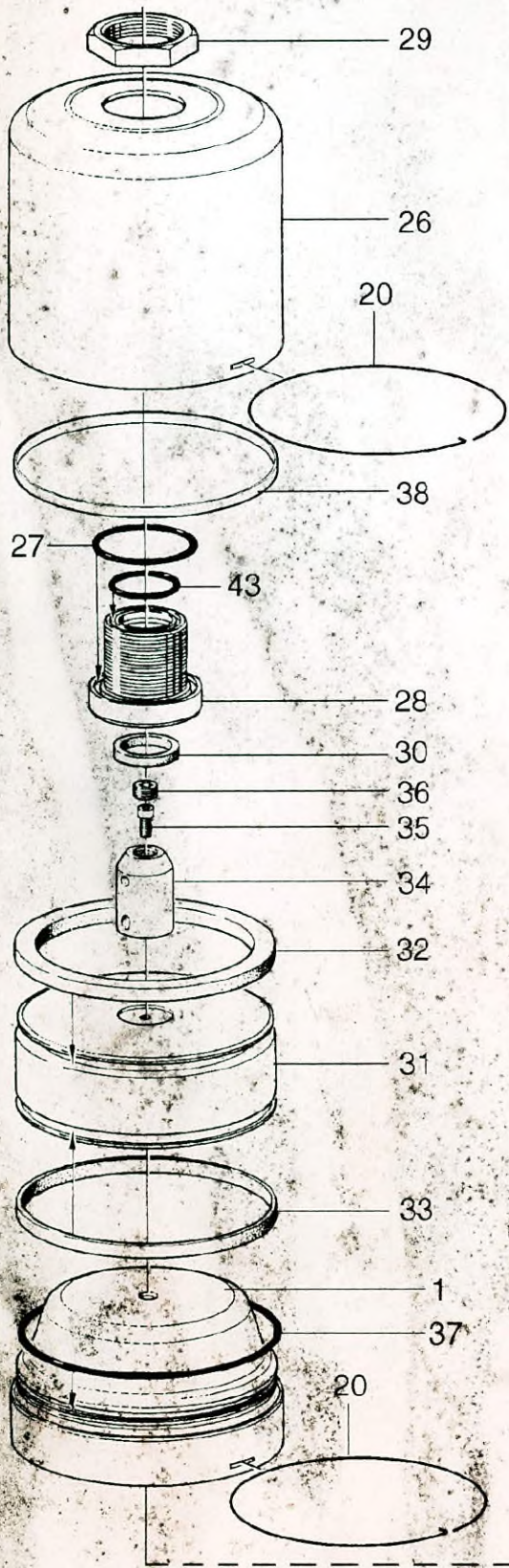
11 Parts for mounting of CT-motor

Ref	Part No	Description	Machine unit number or Subassembly description 546093-						Notes
			-01	Quantity					
1	543688 80	Foundation plate	1						
2	785332 02	Adjusting washer	18						
3	528729 02	Holder	3						
4	221731 11	Screw	9						
5	526186 02	Frame foot	3						
6	528738 02	Rubber cushion	3						
7	65235	Rectangular ring	3						
8	260001 21	Screw	3						
9	223142 04	Washer	3						
10	544782 80	Brake pulley	1						
10A	221581 74	Screw	1						
11	544781 02	Motor adapter	1						
12	221726 09	Screw	6						
13	260176 01	Stud bolt	6						
14	70490	Washer	6						
15	221803 34	Nut	6						
16	544790 01	Spacing pin	1						
17	544057 81	Guard	1						
17A	543775 81	Guide ring	1						
18	221851 11	Cap nut	1						
19	543776 81	Covering plate for protective cap	1						
19A	543778 80	Locking plate	1						
19B	543777 02	Covering plate	1						
19C	221803 40	Nut	1						
19D	68617	Slotted pin	1						



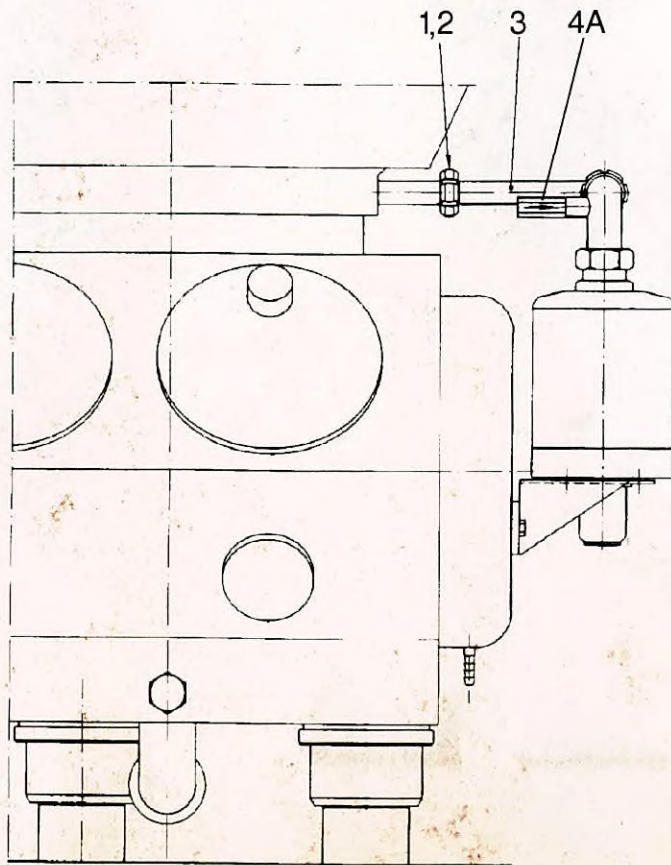
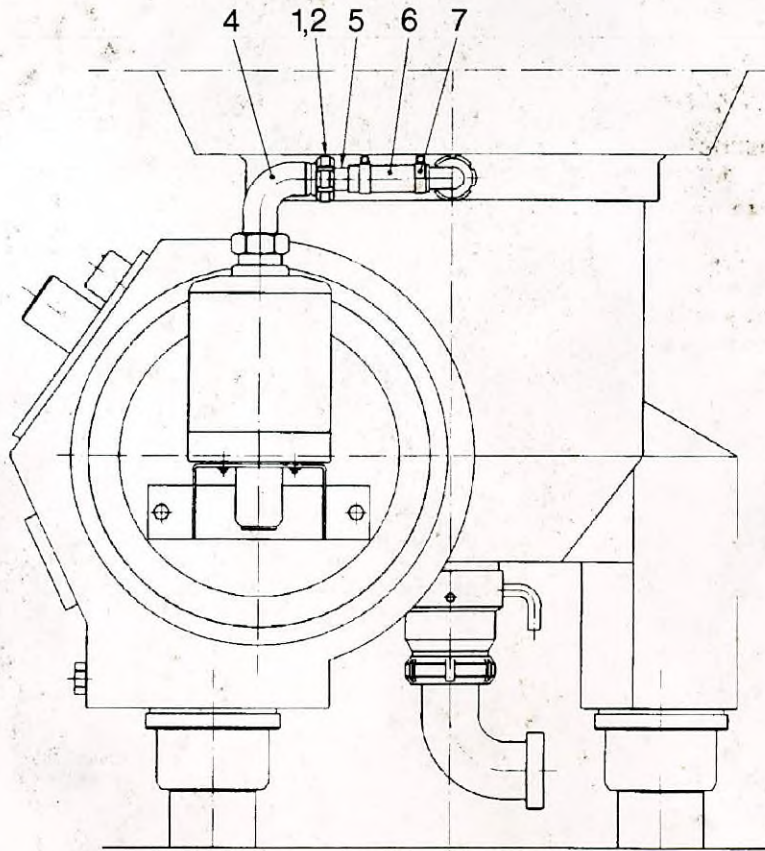
12 Operating water module compact

Ref	Part No	Description	Machine unit number or Subassembly description				Notes
			559872-	-01	Quantity		
1	559867	02 Air tank	1				
2	544311	10 O-ring	1				
3	559869	01 Valve body	1				
4	544311	11 O-ring	4				
5	559856	01 Valve spindle	1				
6	559855	01 Spring guide	2				
7	559866	01 Compression spring	2				
8	559854	01 Spacing	2				
9	221711	24 Screw	2				
10	544311	09 O-ring	2				
11	559858	01 Valve cup	2				
12	221706	24 Screw	4				
13	544311	08 O-ring	6				
14	559868	01 Valve connection	1				
15	559892	10 Sealing washer	2				
16	559892	09 Hexagon socket head screw	2				
17	223406	32 O-ring	1				
18	223406	43 O-ring	1				
19	559863	80 Cylinder cover	1				
20	559891	01 Locking wire	2				
21	559892	08 Nut	1				
22	559857	01 Needle	1				
23	558710	01 Nipple	3				
24	558926	01 Silencer	1				
25	559870	01 End protection	1				
26	559864	01 Cylinder	1				
27	546198	76 O-ring	1				
28	559865	01 Outlet	1				
29	559892	07 Nut	2				
30	559892	01 Turcon variseal "m"	1				
31	559861	01 Piston	1				
32	559892	03 Turcon aq-seal	1				
33	559892	02 Turcite slydring	1				
34	559862	01 2 pulse adapter	1				
35	221711	07 Screw	1				
36	559892	04 Nozzle Ø 4,0 mm	1				
37	223406	42 O-ring	1				
38	559892	06 Garter strap	1				
39	559892	05 Nozzle Ø 4,2 mm	1				
40	544311	07 O-ring	1				
41	562065	80 Bracket	1				
42	221803	28 Nut	4				
43	223406	29 O-ring	1				



13 Fittings for OWMC

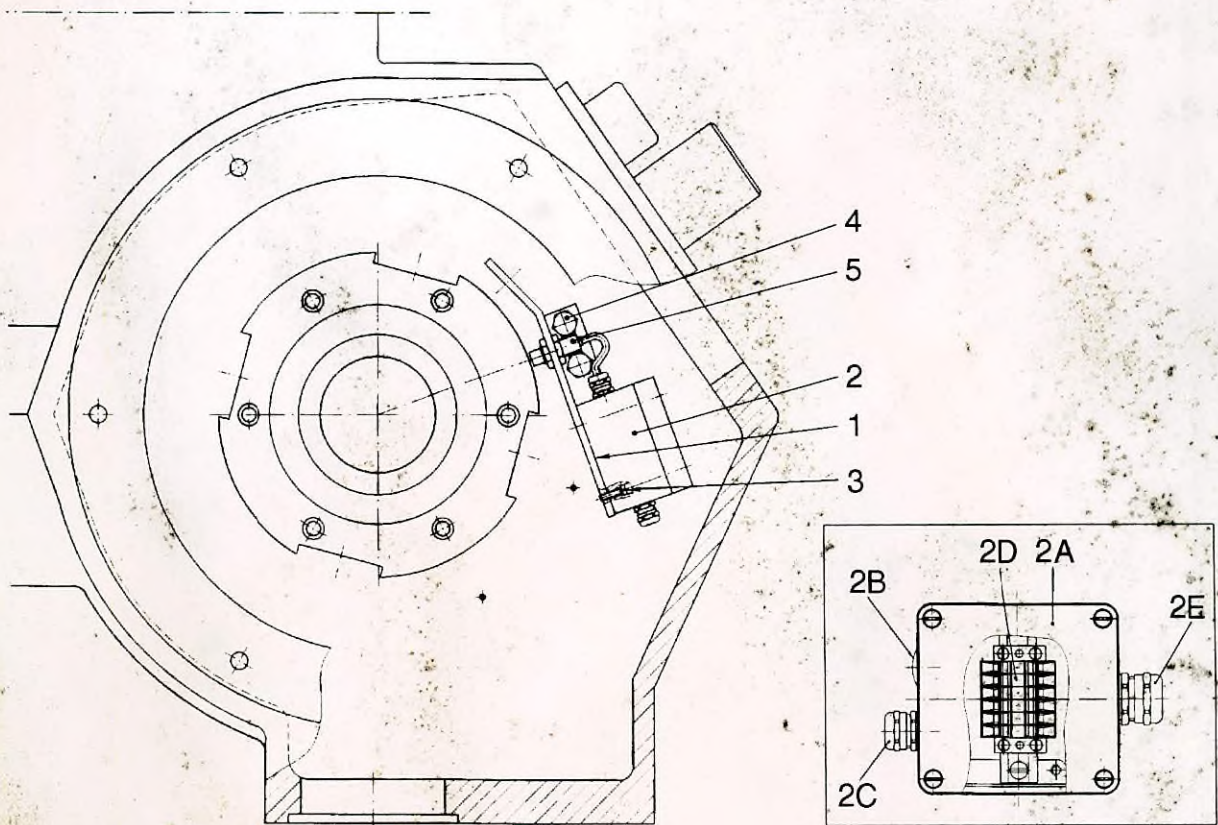
Ref	Part No	Description	Machine unit number or Subassembly description 562136-						Notes
			-01	Quantity					
1	190613	Coupling nut	2						
2	190601	Rectangular ring	2						
3	562161 80	Bent hose liner	1						
4	562138 01	Elbow pipe	1						
4 A	555655 02	Check valve	1						
5	191577	Hose liner	1						
6	544779 11	Hose	1						
7	42174	Hose clip	2						



14 Speed sensor kit (Sensor included)

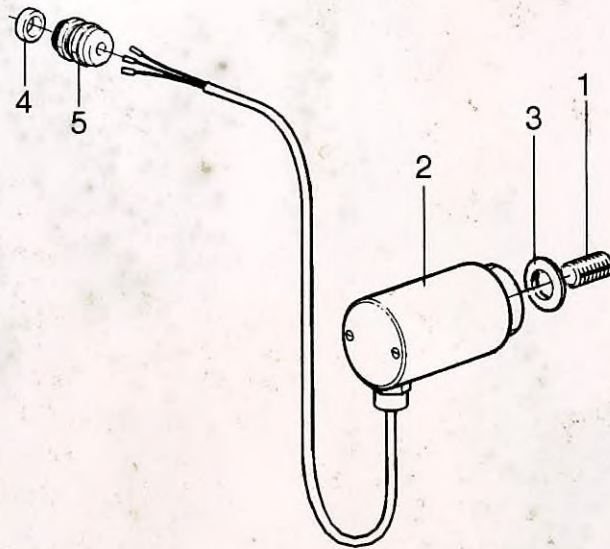
Ref	Part No	Description	Machine unit number or Subassembly description				Notes
			562052-				
			Quantity				
			-01	-02			
		NAMUR PNP	↓	↓			
1	562062 01	Holder	1	1			
2	562182 80	Junction box	1	1			
2 A	562182 01	Junction box	1	1			
2 B	552851 01	Stopping plug	1	1			
2 C	560311 03	Cable gland	2	2			
2 D	561654 01	Terminal row	1	1			
2 E	560311 04	Cable gland	1	1			
3	221121 50	Screw	2	2			
4	221041 26	Screw	2	2			
5	552042 01	Inductive sensor	1				
5	561858 01	Inductive sensor		1			

14 Speed sensor kit (Sensor included)



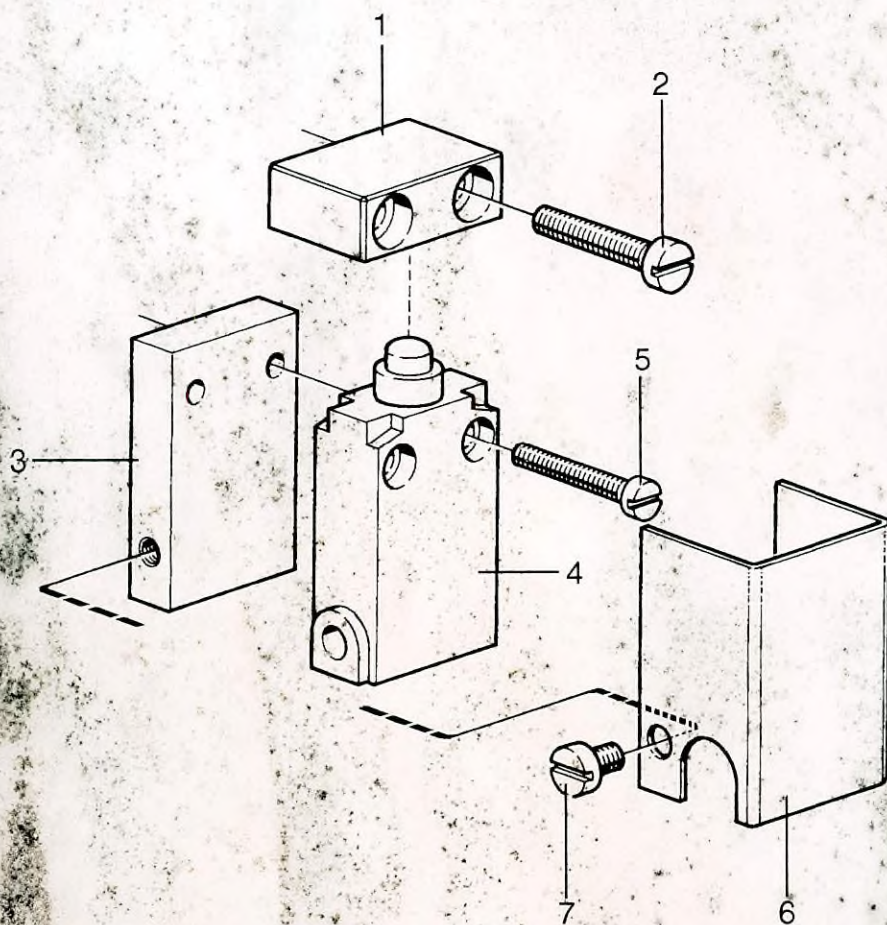
15 Vibration sensor kit

Ref	Part No	Description	Machine unit number or Subassembly description 553652-						Notes
			-01	Quantity					
1	260080 15	Set screw	1						
2	552158 01	Vibration sensor	1						
3	223132 04	Washer	2						
4	560310 01	Ferrite core	1						See Interconnection diagram
5	560311 01	Cable gland	1						See Interconnection diagram



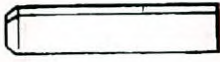





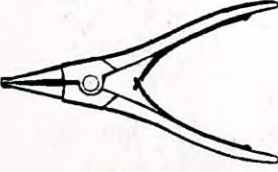
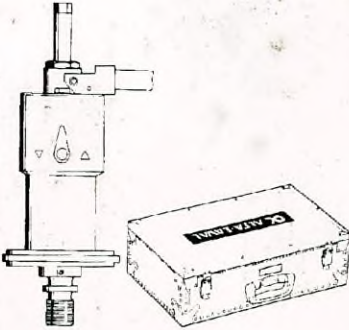





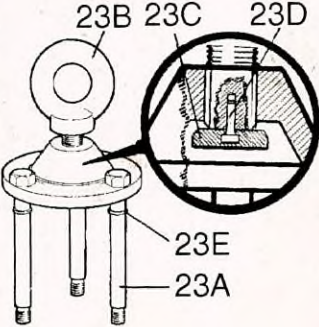




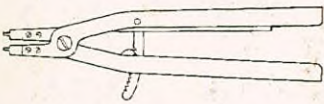
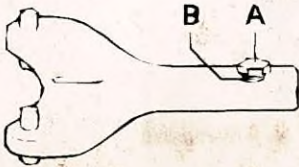
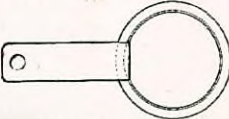
16 Lock switch

Ref	Part No	Description	Machine unit number or Subassembly description						Notes	
			546611-							
			-80	Quantity						
1	546633 01	Lock switch actuator	1							
2	221126 56	Screw	2							
3	546401 01	Support	1							
4	551337 01	Limit switch	1							
5	221121 52	Screw	2							
6	546403 01	Guard	1							
7	67844	Screw	2							


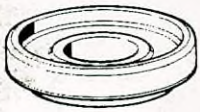



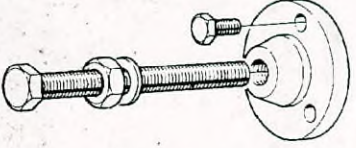
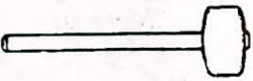
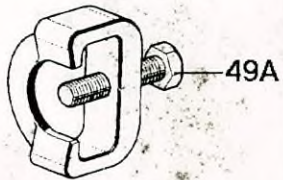
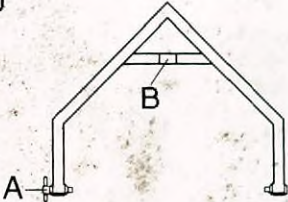

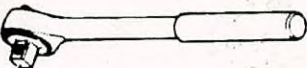

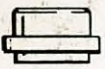

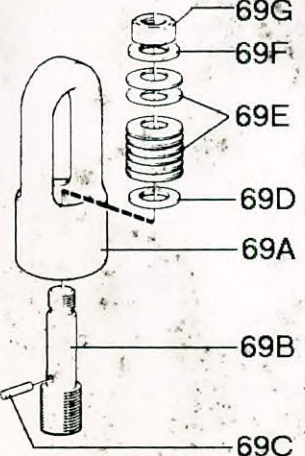








17 Set of tools, High Flow

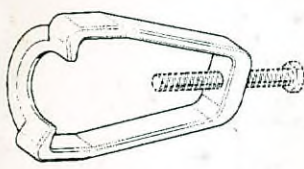




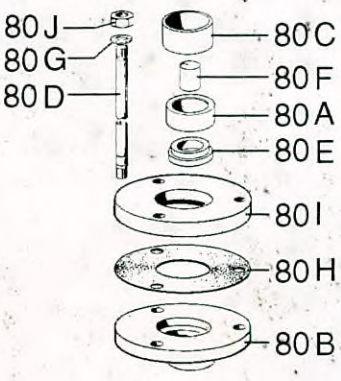
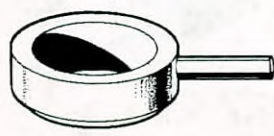


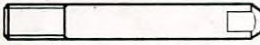
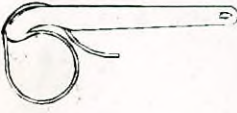
Ref	Part No	Description	Machine unit number or Subassembly description 564603-						Notes
			-01	Quantity					
3	531296 81	Driving-off tool	1						Vertical device top bearing
6	555518 80	Lifting tool	1						Distributing cone
7	72978	Socket 11 mm (1/2")	1						
7.1	527353 09	Socket 30 mm (1/2")	1						
7.2	527353 17	Socket 16 mm (1/2")	1						
8	69696	Hook spanner	1						Coupling nut
9	555511 80	Mounting tool	1						Cap nut
10	42386	Snap ring pliers (shaft)	1						
11	543135 06	Compressing tool for bowl	1						See separate SPC
15	72243	T-handle	1						
16	72244	Extension rod 240-255 mm	1						
16.1	527348 01	Extension rod 125-150 mm	1						
18	527353 05	Socket 18 mm (1/2")	1						
19	73085	Socket 24 mm (1/2")	1						
21	75420	Socket 13 mm (1/2")	1						
22	528380 85	Lifting tool	1						Bowl disc
22 A	71405	Slotted pin	2						
22 B	67782	Cylindrical pin	2						
23	543307 80	Lifting tool	1						Bowl body
23 A	544088 01	Screw	3						
23 B	543309 01	Lifting eye	1						
23 C	543310 01	Washer	1						
23 D	221711 02	Screw	1						
23 E	68372	Snap ring	3						
24	530313 03	Plug	1						Dismounting worm
25	540131 80	Lifting tool	1						Bowl spindle (top)
25.1	540131 82	Lifting tool	1						Bowl spindle (bottom)
26	545532 80	Lifting tool	1						Sliding bowl bottom
28	66445	Snap ring pliers (hole)	1						
29	543346 80	Spanner	1						Lock ring large
29 A	2210462 55	Screw	1						
29 B	223101 37	Washer	1						
30	539917 80	Spanner for lock ring	1						Lock ring small

<p>3</p> 	<p>5</p> 	<p>6</p> 
<p>7 7.1 7.2</p> 	<p>8</p> 	<p>9</p> 
<p>10</p> 	<p>11</p> 	<p>15</p> 
<p>16 16.1</p> 	<p>18, 19, 21</p> 	<p>18, 19, 21</p> 
<p>22</p> 	<p>23</p> 	<p>24</p> 
<p>25 25.1</p> 	<p>26</p> 	<p>26</p> 
<p>28</p> 	<p>29</p> 	<p>30</p> 

Ref	Part No	Description	Machine unit number or Subassembly description 564603-						Notes
			-01	Quantity					
32	260154 05	Lifting eye bolt	2						Lock ring large, operating slide
33	546855 01	Ring	1						Mounting bottom bearing
34	543550 01	Ring	1						Mounting ball bearing
35	543551 01	Ring	1						Dismounting ball bearing
36	543552 01	Mounting tool	1						Ball bearing worm wheel shaft
37	543553 80	Dismounting tool	1						Brake pulley
42	64324	Tin hammer 4,4 kg	1						
49	545756 80	Puller	1						Ball bearing worm wheel shaft
49 A	260001 41	Screw	1						
50	555368 81	Turning tool bowl body	1						
50 A	554960 80	Screw	1						
50 B	1270022	Safety label on reversing tool	1						
51	260164 03	Hexagon socket 8 mm (1/2")	1						Stop screw brake pulley
51.1	260164 06	Hexagon socket 14 mm (1/2")	1						
54	260161 01	Ratchet handle	1						
63	545530 80	Lifting ring, bowl hood	1						Bowl hood
65	564595 01	Centering tool	1						Outlet device
68	38954	Spring	1						Outlet device runout radial
69	545537 80	Lifting tool	1						
69 A	545531 02	Lifting stirrup	1						
69 B	545536 01	Lifting pin	1						
69 C	222116 41	Slotted pin	1						
69 D	223101 64	Washer	1						
69 E	226314 27	Belleville washer	14						
69 F	223101 64	Washer	1						
69 G	221803 23	Nut	1						
70	544264 01	Pressure washer	1						Mounting top bearing
71	544273 01	Sleeve	1						Dismounting ball bearing
72	544372 01	Drift	1						Dismounting ball bearing
73	544288 01	Tube	1						Rack for vertical device
74	544261 01	Ring	1						Mounting ball bearing

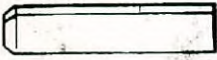





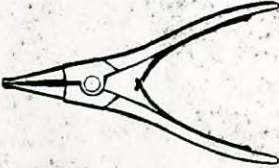
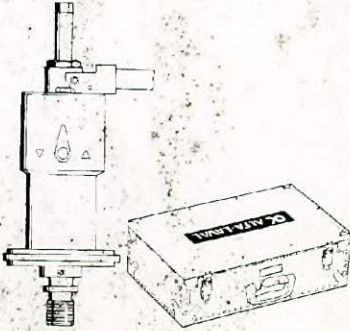





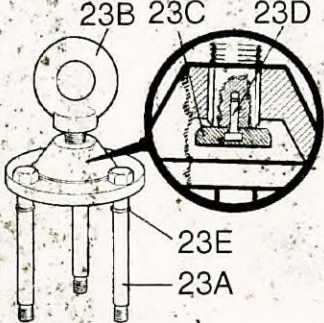





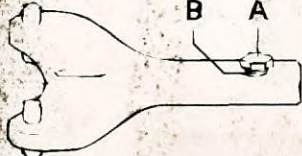
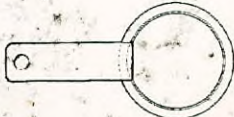
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<p>51 51.1</p> 	<p>54</p> 	<p>63</p> 
<p>65</p> 	<p>68</p> 	<p>69</p> 
<p>70</p> 	<p>71</p> 	<p>69B</p> 
<p>72</p> 	<p>73</p> 	<p>74</p> 

Ref	Part No	Description	Machine unit number or Subassembly description						Notes	
			564603-							
			-01	Quantity						
75	544302 02	Puller	1							Worm wheel, worm
76	521196 16	Tubular socket 36 mm	1							
77	544371 01	Torque wrench	1							
78	528905 08	Ring spanner 21 mm, 24 mm	1							
79	537441 01	Washer	1							Mounting brake pulley
80	545540 80	Mounting and dismantling tool	1							Vertical device top bearing
80 A	545547 01	Ring	1							
80 B	545541 01	Plate lower	1							
80 C	545546 01	Sleeve	1							
80 D	545544 01	Bar	3							
80 E	545545 01	Support ring	1							
80 F	545548 01	intermediate part	1							
80 G	68372	Snap ring	3							
80 H	545543 01	Washer	1							
80 I	545542 01	Plate upper	1							
80 J	221803 35	Nut	3							
81	545529 80	Pin spanner	1							Lock ring horizontal device
83	553188 02	Lifting eye	3							Separator
84	2210463 34	Screw	3							Separator
85	562097 01	Guide pin	2							
86	537446 01	Belt pipe wrench	1							






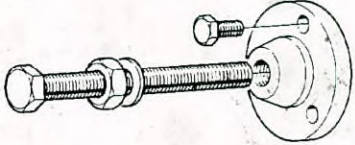

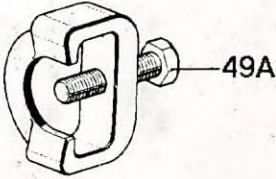
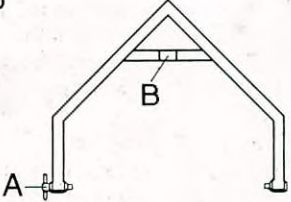

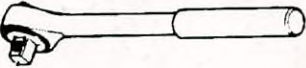



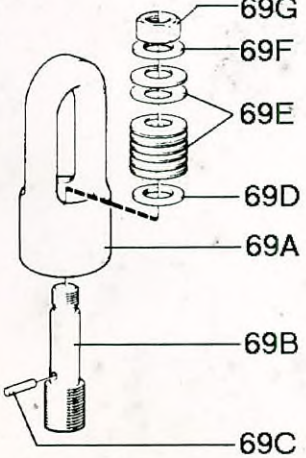

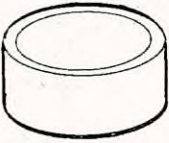




<p>75</p> 	<p>76</p> 	<p>77</p> 
<p>78</p> 	<p>79</p> 	<p>80</p>  <p>80J 80G 80D</p> <p>80C 80F 80A 80E</p> <p>80I 80H 80B</p>
<p>81</p> 	<p>83</p> 	<p>84</p> 
<p>85</p> 	<p>86</p> 	

18 Set of tools, Standard

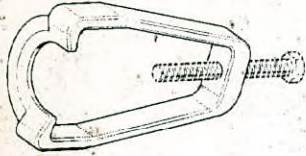




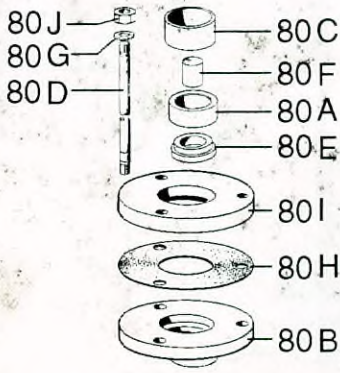
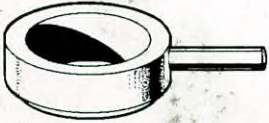


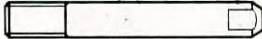
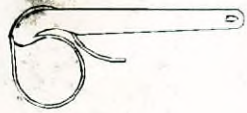
Ref	Part No	Description	Machine unit number or Subassembly description 555535-				Notes
			-05	Quantity			
3	531296	81 Driving-off tool	1				Vertical device top bearing
6	555518	80 Lifting tool	1				Distributing cone
7	72978	Socket 11 mm (1/2")	1				
7.1	527353	09 Socket 30 mm (1/2")	1				
7.2	527353	17 Socket 16 mm (1/2")	1				
8	69696	Hook spanner	1				Coupling nut
9	555511	80 Mounting tool	1				Cap nut
10	42386	Snap ring pliers (shaft)	1				
11	543135	06 Compressing tool for bowl	1				See separate SPC
15	72243	T-handle	1				
16	72244	Extension rod 240-255 mm	1				
16.1	527348	01 Extension rod 125-150 mm	1				
18	527353	05 Socket 18 mm (1/2")	1				
19	73085	Socket 24 mm (1/2")	1				
21	75420	Socket 13 mm (1/2")	1				
22	528380	85 Lifting tool	1				Bowl disc
22 A	71405	Slotted pin	2				
22 B	67782	Cylindrical pin	2				
23	543307	80 Lifting tool	1				Bowl body
23 A	544088	01 Screw	3				
23 B	543309	01 Lifting eye	1				
23 C	543310	01 Washer	1				
23 D	221711	02 Screw	1				
23 E	68372	Snap ring	3				
24	530313	03 Plug	1				Dismounting worm
25	540131	80 Lifting tool	1				Bowl spindle (top)
25.1	540131	82 Lifting tool	1				Bowl spindle (bottom)
26	545532	80 Lifting tool	1				Sliding bowl bottom
28	66445	Snap ring pliers (hole)	1				
29	543346	80 Spanner	1				Lock ring large
29 A	2210462	55 Screw	1				
29 B	223101	37 Washer	1				
30	539917	80 Spanner for lock ring	1				Lock ring small

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Ref	Part No	Description	Machine unit number or Subassembly description				Notes	
			55535-					
			-05	Quantity				
32	260154 05	Lifting eye bolt	2					Lock ring large, operating slide
33	546855 01	Ring	1					Mounting bottom bearing
34	543550 01	Ring	1					Mounting ball bearing
35	543551 01	Ring	1					Dismounting ball bearing
36	543552 01	Mounting tool	1					Ball bearing worm wheel shaft
37	543553 80	Dismounting tool	1					Brake pulley
42	54324	Tin hammer 4,4 kg	1					
49	545756 80	Puller	1					Ball bearing worm wheel shaft
49 A	260001 41	Screw	1					
50	555368 81	Turning tool bowl body	1					
50 A	554960 80	Screw	1					
50 B	1270022	Safety label on reversing tool	1					
51	260164 03	Hexagon socket 8 mm (1/2")	1					Stop screw brake pulley
51.1	260164 06	Hexagon socket 14 mm (1/2")	1					
54	260161 01	Ratchet handle	1					
63	545530 80	Lifting ring, bowl hood	1					Bowl hood
65	540610 01	Centering tool	1					Outlet device
68	38954	Spring	1					Outlet device runout radial
69	545537 80	Lifting tool	1					
69 A	545531 02	Lifting stirrup	1					
69 B	545536 01	Lifting pin	1					
69 C	222116 41	Slotted pin	1					
69 D	223101 64	Washer	1					
69 E	226314 27	Belleville washer	14					
69 F	223101 64	Washer	1					
69 G	221803 23	Nut	1					
70	544264 01	Pressure washer	1					Mounting top bearing
71	544273 01	Sleeve	1					Dismounting ball bearing
72	544372 01	Drift	1					Dismounting ball bearing
73	544288 01	Tube	1					Rack for vertical device
74	544261 01	Ring	1					Mounting ball bearing

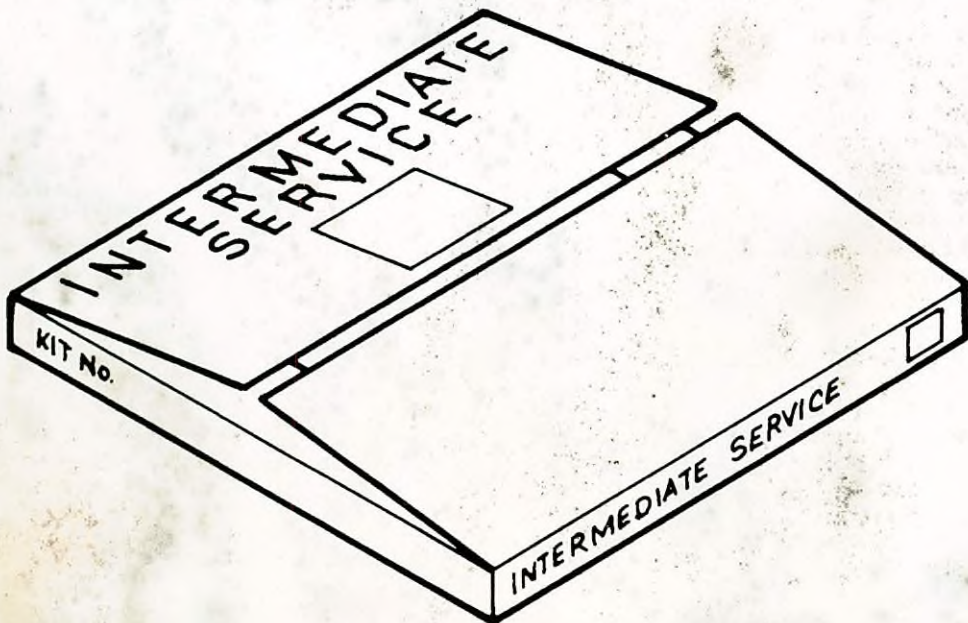
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Ref	Part No	Description	Machine unit number or Subassembly description				Notes
			555535-				
			-05	Quantity			
75	544302 02	Puller	1				Worm wheel, worm
76	521196 16	Tubular socket 36 mm	1				
77	544371 01	Torque wrench	1				
78	528905 08	Ring spanner 21 mm, 24 mm	1				
79	537441 01	Washer	1				Mounting brake pulley Vertical device top bearing
80	545540 80	Mounting and dismantling tool	1				
80 A	545547 01	Ring	1				
80 B	545541 01	Plate lower	1				
80 C	545546 01	Sleeve	1				
80 D	545544 01	Bar	3				
80 E	545545 01	Support ring	1				
80 F	545548 01	Intermediate part	1				
80 G	68372	Snap ring	3				
80 H	545543 01	Washer	1				
80 I	545542 01	Plate upper	1				
80 J	221803 35	Nut	3				
81	545529 80	Pin spanner	1				Lock ring horizontal device Separator
83	553188 02	Lifting eye	3				
84	2210463 34	Screw	3				Separator
85	562097 01	Guide pin	2				
86	537446 01	Belt pipe wrench	1				

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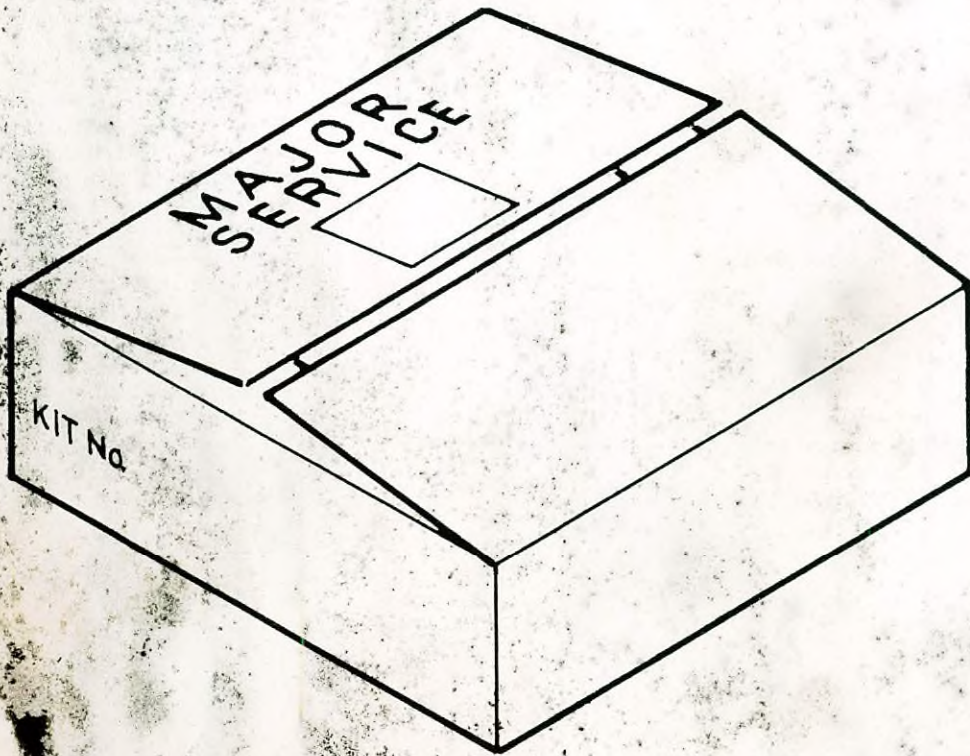
19 Intermediate service kit

Ref	Part No	Description	Machine unit number or Subassembly description				Notes
			549253-				
			-07 -13 -14				
			Quantity				
		Standard, SMS coupling	↓				
		High Flow, SMS coupling		↓			
		High Flow, Clamp coupling			↓		
1	543343 01	Gasket	1	1	1		Spring support/ Bowl body
2	543422 02	Rectangular ring	1	1	1		Operating slide/ Bowl body
3	537838 06	Valve plug	3	3	3		Operating slide/ Bowl body
4	523116 04	Rectangular ring	1	1	1		Sliding bowl bottom/ Bowl body
5	223416 35	O-ring	1	1	1		Bowl body/ Sliding bowl bottom
6	223406 64	O-ring	1	1	1		Wing insert/ Distributing cone
7	223406 58	O-ring	1	1	1		Spindle/ Cap nut
8	521863 02	Rectangular ring	1	1	1		Bowl hood/ Bowl body
9	543170 01	Seal ring	1	1	1		Bowl hood
10	74355	O-ring	1	1	1		Bowl hood/ Lock ring
11	529799 08	Rectangular ring	1	1	1		Bowl hood/ Guide sleeve
12	540829 05	Gasket	1				Outlet housing/ Seal ring
12	564520 01	Stator kit		1	1		Outlet housing/ Stator kit
13	541648 05	Seal ring	1				Outlet device
13	564522 01	Rotor kit		1	1		Outlet device
14	223406 24	O-ring	1				Guide sleeve/ Impeller lower
14	260104 79	O-ring		1	1		Guide sleeve/ Impeller lower
15	260104 79	O-ring	1				Impeller/ Holder for wear ring
15	546198 52	O-ring		1	1		Impeller/ Rotor kit
16	540829 06	Gasket	1				Wear ring/ Holder for wear ring
19	541649 06	Wear ring	1				Outlet device
22	223412 82	O-ring		1	1		Outlet house
22	2234121 25	O-ring	1				Outlet house
28	223406 15	O-ring	1	1	1		Throttle ring/ bottom bearing
29	223406 14	O-ring	1	1	1		Intermediate part/ Inlet house
30	540829 05	Gasket	1	1	1		Seal ring/ Intermediate part
31	541648 05	Seal ring	1	1	1		Inlet device
32	541649 06	Wear ring	1	1	1		Inlet device
33	540829 06	Gasket	1				Holder for wear ring/ Wear ring
34	260104 79	O-ring	1	1	1		Guide sleeve/ Inlet house
35	223406 58	O-ring		1	1		Spindle/ Guide sleeve
36	190605	Rectangular ring	1	1			Inlet pipe
36	538248 03	Gasket			1		Inlet pipe
37	74634	O-ring	3	3	3		Control paring disc
38	223316 05	Rectangular ring	1	1	1		Oil drain screw
39	528732 01	Gasket	1	1	1		Worm wheel guard
40	539474 03	Silicone grease	1	1	1		
41	554336 01	Lubricating paste	1	1	1		
42	223412 85	O-ring	1	1	1		Centering ring/ Outlet housing
43	546198 62	O-ring	1				Lock ring/ Outlet housing
44	310637 84	Friction pad	1	1	1		



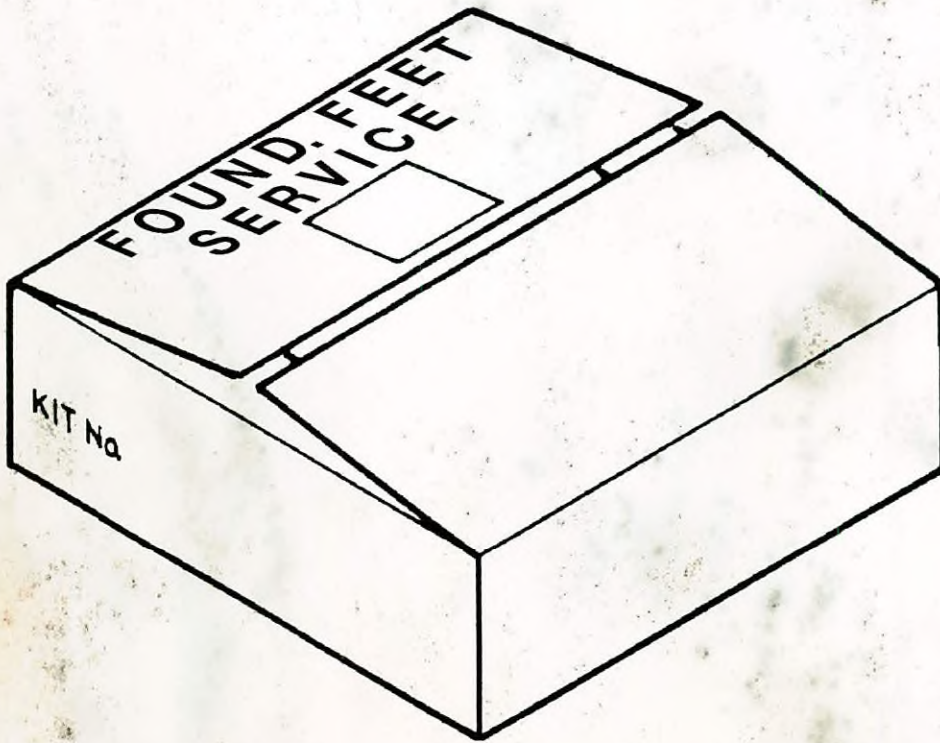
20 Major service kit

Ref	Part No	Description	Machine unit number or Subassembly description 549223-				Notes
			-19	Quantity			
1	37167	Rectangular ring	1				Glass disc/ Fixing plate
2	528723 01	Gasket	1				Frame/ Glass disc
3	73665	Rectangular ring	2				Cooling coil/ Bearing shield
4	43626	Gasket	1				Frame/ Bearing shield
5	43630	Seal strip	1				Frame/ Guard
6	223406 36	O-ring	1				Ball bearing/ Bearing shield
7	233211 94	Ball bearing	1				Worm wheel shaft
8	8379	Ball bearing	1				Worm wheel shaft
9	60571	Elastic plate	3				Coupling pulley
10	223406 17	O-ring	1				Frame/ Bottom bearing housing
11	548747 07	Ball bearing	1				Upper neck bearing
12	223642 49	Snap ring	1				Upper neck bearing/ Bearing housing
13	548745 04	Ball bearing	1				Lower neck bearing
14	223641 01	Snap ring	1				Spindle/ Sleeve
16	529639 02	Rubber buffer	2				Neck bearing housing
17	541453 05	Usit-ring	3				Screw/ Neck bearing cover
18	555231 01	Seal ring	1				Frame top part/ Guard
19	544271 01	Seal ring	1				Oil fan/ Protection collar
20	223412 18	O-ring	1				Spindle/ Protection collar
21	548746 04	Ball bearing	1				Bottom bearing
22	223406 36	O-ring	1				Seal ring/ Guard
28	555245 01	Height adjusting ring	2				Frame top part/ Paring disc device
29	545318 01	Seal strip	1				Frame top part/ Frame hood
30	223406 25	O-ring	1				Frame top part/ Frame hood
31	528732 01	Gasket	1				Frame bottom part/ Brake cover
32	223521 08	Seal ring	1				Revolution counter
33	223434 02	Rectangular ring	1				Revolution counter
34	223406 27	O-ring	1				Pneumatic brake
35	31317 0886 1	Rectangular ring	1				Cyclone outlet
36	31317 0886 1	Rectangular ring	1				Frame top part/ Cyclone
37	190601	Rectangular ring	1				Inlet for operating liquid



21 Service kit for foundation feet

Ref	Part No	Description	Machine unit number or Subassembly description 553048-						Notes
			-01	Quantity					
1	221731 11	Screw	9						
2	528738 02	Rubber cushion	3						
3	65235	Rectangular ring	3						
4	260001 21	Screw	3						



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