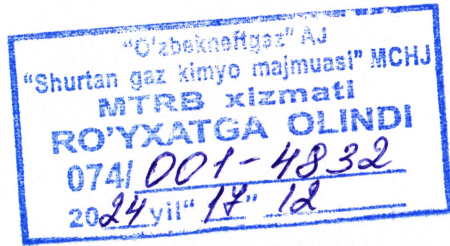


TEXNIK TOPSHIRIQ / ТЕХНИЧЕСКОЕ ЗАДАНИЕ / TECHNICAL ASSIGNMENT



<p>"Sho'rtan gaz-kimyo majmuasi" MChJ ehtiyojlari uchun GA-1310, GA-1205 nasoslari ehtiyot qismlar xarid qilish bo'yicha TEXNIK TOPSHIRIQ</p>	<p>ТЕХНИЧЕСКОЕ ЗАДАНИЕ на закупку запасных частей насосов GA-1310, GA-1205 для нужд ООО «Шуртанский ГХК»</p>	<p>TECHNICAL ASSIGNMENT for the purchase of spare parts pumps GA-1310, GA-1205 for the needs of LLC "SGCC".</p>
---	--	---

1. UMUMIY MA'LUMOT	1. ОБЩИЕ СВЕДЕНИЯ	1. GENERAL INFORMATION
1.1 Nomlanishi	1.1 Наименование	1.1 Name
GA-1310, GA-1205 nasoslarining ehtiyot qismlari	Запасные части насосов GA-1310, GA-1205	Spare parts for pumps GA-1310, GA-1205
1.2 Asosi va maqsadi.	1.2 Основание и цель.	1.2 Basis and purpose.
Asos: 2025 yillik buyurtma. Maqsad: Ishdan chiqqan ehtiyot qismlarini almashtirish.	Основание: Годовая заявка 2025 год. Цель: Для замены вышедших из строя запасных частей.	Basis: Annual application 2025. Purpose: To replace failed spare parts.
1.3 Yangiligi haqida ma'lumot.	1.3 Сведения о новизне.	1.3 Information on novelty.
Tovar yangi bo'lishi shart.	Поставляемый товар должен быть новым.	The delivered product must be new.

2. QO'LLANISH MUHITI.	2. ОБЛАСТЬ ПРИМЕНЕНИЯ.	2. SCOPE OF APPLICATION.
<p>-GA-1310 nasosi Etilen ishlab chiqarish sexida o'rnatilgan apparatlarini muzlash ehtimoli bor nuqtalarga metanol haydab beruvchi nasos. -Ko'p bosqichli plunjerli GA-1205 nasosi - GB-1201 pirogaz kompressorini korpus va linyasiga yuvuvchi moyuni (prom maslo) dozirovka qilib haydab beruvchi nasos.</p>	<p>-GA-1310 - насос, перекачивающий метанол в точки, где существует вероятность замерзания оборудования, установленного в цехе производства этилена. -Многоступенчатый плунжерный насос GA-1205 - насос, обеспечивающий подачу промывочного масла в корпус и всасывающий трубопровод пирогазового компрессора GB-1201.</p>	<p>-The GA-1310 pump is applied to the equipment of the ethylene production plant for pumping methanol at a point with the possibility of freezing. -Multistage plunger pump GA-1205 - a pump that supplies flushing oil to the housing and suction pipeline of the GB-1201 pyrolysis gas compressor.</p>

TEXNIK TOPSHIRIQ / ТЕХНИЧЕСКОЕ ЗАДАНИЕ / TECHNICAL ASSIGNMENT

3. FOYDALANISH SHARTLARI	3. УСЛОВИЯ ЭКСПЛУАТАЦИИ.	3. OPERATING CONDITIONS.
3.1 Umumiy ishlash shartlari	3.1 Общие условия эксплуатации	3.1 General operating conditions
Ishlash rejimi doimiydir. Qurilma yiliga bir marta 18 kun davomida ta'mirlash uchun to'xtatiladi. Nasos -20°C +60 °C atrof-muhit harorati bo'lgan ochiq maydonga o'rnatilgan.	Режим работы постоянный. Установку останавливают на техническое обслуживание один раз в год на 18 дней. Насос устанавливается на открытой площадке с температурой окружающей среды -20°C +60°C.	The operating mode is constant. The device is stopped for maintenance once a year for 18 days. The pump is installed open area with an ambient temperature of -20°C +60°C.

4. ТЕХНИЧЕСКИЕ ТРЕБОВАНИЯ	4. TECHNICAL REQUIREMENTS
4.1 Основные технические требования.	4.1 Basic technical requirements.
GA-1310	
<p>TAG №: GA-1310, Manufacturer : Bran+Luebbe Inc P.O № 10162-516 Pump Type: N-DSH32 Serial № 5102015 Plunger dia x Str: 68 mm x 60 mm Rated Capacity: 2 x 1.49 m³/hr MAWP (kpa) 5378 MAWT (°C) 140 MODEL: Metering pump CEREX N-DSH32 Stroke frequency: 127 Stroke permin Rated/Max Motor (kw) 7.5/84</p>	
GA-1205	
<p>Specification of GA-1205 pump: Manufacturer: Bran+ Luebbe, Inc. Serial number: 51500924 Model: N-DH36; Plunger dia x Str: 42 mm x 50 mm Productivity: 0.393 (piston diameter 42 mm) -0.654 (piston diameter 50 mm) m3/h; Stroke max. 60 mm; Electric Engine RELANCE 215 TC Speed: 1450 rpm; Power: 7.5 kW; Environment: – flushing oil I-20A; Maximum permissible operating pressure: 4137 bar; Maximum permissible operating temperature: 93 °C;</p>	



ТЕХНИК TOPSHIRIQ / ТЕХНИЧЕСКОЕ ЗАДАНИЕ / TECHNICAL ASSIGNMENT



Технические данные запасных частей		Technical data of spare parts		
№	Наименование запчастей Name of spare parts	Технические данные Technical data	Ед.изм. Unit	Кол-во Qty
GA-1310				
1	Lip Seal Ring 68 x 88	DWG № 1040, part № 364019, Material K3, Serial № 5102015	pcs	12
2	Plunger 68 mm	DWG № PN-387, part № 314606, Material 14571, Serial №5102015	pcs	4
3	Gasket 52 x 69 x 2	DWG № PN-387, part № 150131, Material FD10, Serial №5102015	pcs	16
GA-1205				
1	Base ring 42x54	part № 364085, Material K3, item № 22	pcs	10
2	O ring 50x5	part № 152063, Material NBR, item № 25	pcs	6
3	V-packing collar 42x54	part № 364060, Material K3, item № 21	pcs	15
4	V-packing collar 50x70	part № 365617, Material K3, item № 21	pcs	12
5	Base ring 50x70	part № 365619, Material K3, item № 22	pcs	6
6	Grooved ring slotring 50x60	part № 369501, Material NBR, item № 24	pcs	4
7	O ring 64x3	part № 152064, Material NBR, item № 25	pcs	3
8	Plunger 42 mm	part № 314952, Material 1,4571	pcs	4
9	Plunger 50 mm	part № 314970, Material 1,4571	pcs	2
10	Valve NACHF	part № 542516, Material 1.4571, item № 29	pcs	6
11	Vent valve 1, bar	part № 542513, Material 1.4571, item №30	pcs	6
12	Bellows	part № 229641, Material CR, item № 34	pcs	6

4.2 Ishonchlilik talablari	4.2 Требования по надежности	4.2 Reliability requirements
Ishlab chiqaruvchi mahsulot sifatini ish paytida uzoq muddatli xizmat muddatini ta'minlaydigan me'yoriy hujjatlar va standartlarga muvofiqligini kafolatlashi kerak.	Изготовитель должен гарантировать соответствие качества изделия по нормативным документам и стандартам, способствующих долгосрочному сроку службы при эксплуатации.	The manufacturer must guarantee product quality compliance with regulatory documents and standards that promote long-term service life during operation.

5. YETKAZIB BERISH VA QABUL QOIDALARIGA TALABLAR.	5. ТРЕБОВАНИЯ ПО ПРАВИЛАМ СДАЧИ И ПРИЕМКИ	5. REQUIREMENTS FOR THE HANDOVER AND ACCEPTANCE RULES
5.1 Yetkazib berish va qabul qilish tartibi.	5.1 Порядок сдачи и приемки.	5.1 Handover and acceptance procedure.
Tovarlar Buyurtmachining omboriga kirish tekshiruvidan so'ng qabul qilinishi kerak. Buyurtmachi tovarlarni partiyaning miqdori, sifati va to'liqligi bo'yicha, shuningdek tovar xavfsizligining tashqi belgilari bo'yicha transport va qo'shimcha hujjatlar, ishlab chiqaruvchining sifat sertifikatlariga muvofiq qabul qiladi. Agar tovarlarni tashuvchidan qabul qilib olgandan so'ng, tovarlarning sifati/miqdori bo'yicha nomuvofqlik	Товар должен приниматься после входного контроля на складе Заказчика. Заказчик производит приемку товара по количеству, качеству и комплектности партии, и внешним признакам сохранности товара в соответствии с транспортными и сопроводительными документами, сертификатами качества завода-изготовителя. В случае, если при приемке товара после его получения от перевозчика будет выявлено несоответствие товара по качеству/количеству, Заказчик (грузополучатель) обязан	The goods must be accepted after incoming inspection at the Customer's warehouse. The customer accepts the goods in terms of quantity, quality and completeness of the batch, and external signs of safety of the goods in accordance with transport and accompanying documents, quality certificates of the manufacturer. If, upon acceptance of the goods after receiving them from the carrier, a discrepancy in quality/quantity of

TEXNIK TOPSHIRIQ / ТЕХНИЧЕСКОЕ ЗАДАНИЕ / TECHNICAL ASSIGNMENT

<p>aniqlansa, Buyurtmachi (oluvchi) tovarlarni qabul qilishni to'xtatib turishi, tovarlarning xavfsizligini ta'minlash choralarini ko'rishi shart; nuqsonlar aniqlangan kundan boshlab 10 (o'n) ish kuni ichida dalolatnoma tuzish va bu haqda sotuvchini yozma ravishda xabardor qilish. Mos kelmaydigan tovarlarni almashtirish Yetkazib beruvchi hisobidan amalga oshiriladi.</p>	<p>приостановить приемку товара, принять меры по обеспечению сохранности товара, составить акт и уведомить об этом Продавца в письменной форме в течение 10 (десяти) рабочих дней с момента обнаружения недостатков. Замена несоответствующего товара производится за счёт Поставщика.</p>	<p>the goods is revealed, the Customer (consignee) is obliged to suspend acceptance of the goods, take measures to ensure the safety of the goods, draw up a report and notify the Seller in writing about this within 10 (ten) working days from the date of discovery of the defects. Replacement of non-conforming goods is made at the expense of the Supplier.</p>
<p>5.2 Mahsulotni yetkazib berishda texnik va boshqa hujjatlarni buyurtmachiga topshirishga qo'yiladigan talablar</p>	<p>5.2 Требования по передаче заказчику технических и иных документов при поставке продукта</p>	<p>5.2 Requirements for delivery of technical and other documents to the customer during product delivery</p>
<p>Tanlovda ishtirok etayotgan har bir kompaniya texnik taklifga quyidagi ma'lumotlarni kiritishni hisobga olishi kerak:</p> <ul style="list-style-type: none"> - mahsulotning muvofiqlik sertifikatini; - ishlab chiqarish uchun materiallar uchun sertifikat; - ISO 9001, ISO 14001, ISO 45001, ISO 50001 xalqaro sertifikatlari; (borligida) - xalqaro, tan olingan laboratoriyalar va sinov markazlarining sertifikatlari; - faktura raqami va sanasi ko'rsatilgan tovar kelib chiqqan davlat sertifikatini; - ishlab chiqaruvchi tomonidan berilgan mahsulot sifati sertifikatini; - o'tkazilgan testlar sertifikatini; - mahsulotning texnik pasporti. - ishlab chiqaruvchi tomonidan berilgan sifat va muvofiqlik sertifikatlari, etkazib beruvchi ishlab chiqaruvchidan kafolat majburiyatlarini bajarish shartlarini ko'rsatadigan shaklni taqdim etishi shart. <p>Agar texnik taklifda yuqoridagi talablar ko'zda tutilmagan bo'lsa, texnik taklif nomuvofiq deb hisoblanadi. Taqdim etilmagan hujjatlar qayta so'ralmaydi.</p>	<p>Каждая участвующая компания в конкурсе должна учитывать включение в техническом предложении нижеследующей информации:</p> <ul style="list-style-type: none"> - сертификат соответствия товара; - сертификат на материалы для изготовления; - международные сертификаты ISO 9001, ISO 14001, ISO 45001, ISO 50001; (при наличии) - сертификаты международных, признанных лабораторий и центров испытаний; - сертификат о стране происхождения товара с указанием номера и даты инвойса; - сертификат о качестве товара, выписанного производителем; - сертификат проведенных испытаний; - технический паспорт товара. <p>- Поставщик обязан предоставить бланк завода-изготовителя, в котором прописаны условия выполнения гарантийных обязательств.</p> <p>В случае не предоставления выше указанных требований в техническом предложении, данное техническое предложение будет считаться не соответствующим. Не предоставленные документы повторно запрашиваться не будут.</p>	<p>Each company participating in the competition must consider including the following information in the technical proposal:</p> <ul style="list-style-type: none"> - certificate of conformity of the product; - certificate for materials for production; - international certificates ISO 9001, ISO 14001, ISO 45001, ISO 50001; (in the presence of) - certificates of international, recognized laboratories and testing centers; - certificate of the country of origin of the goods indicating the invoice number and date; - certificate of quality of goods issued by the manufacturer; - certificate of tests performed; - technical passport of the product. - certificates of quality and conformity issued by the manufacturer. The supplier is obliged to provide a form from the manufacturer, which specifies the conditions for fulfilling warranty obligations. If the above requirements are not provided in the technical proposal, the technical proposal will be considered non-compliant. Documents not provided will not be requested again.

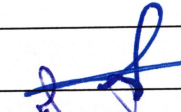
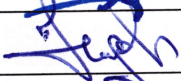
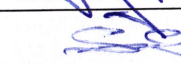
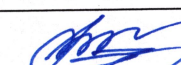

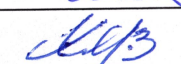
<p>6. SIFATGA VA KAFOLATLAR MUDDATIGA TALABLAR.</p>	<p>6. ТРЕБОВАНИЯ К КАЧЕСТВУ И СРОКУ ПРЕДОСТАВЛЕНИЯ ГАРАНТИЙ.</p>	<p>6. REQUIREMENTS FOR QUALITY AND DURATION OF GUARANTEES.</p>
--	---	---



TEXNIK TOPSHIRIQ / ТЕХНИЧЕСКОЕ ЗАДАНИЕ / TECHNICAL ASSIGNMENT

<p>Mahsulot sifati sifat sertifikatini (pasport), shuningdek, amaldagi qonun hujjatlarida nazarda tutilgan mahsulot sifatini tasdiqlovchi boshqa hujjatlar bilan tasdiqlanadi. Mahsulot sifati ishlab chiqaruvchining belgilangan standartlari va texnik xususiyatlariga mos kelishi va ishlab chiqaruvchi tomonidan berilgan zavod sinovi sertifikatini bilan tasdiqlanishi kerak. Sifat kafolati muddati kamida 1 yil bo'lishi kerak. Xizmat muddati - kamida 3 yil.</p>	<p>Качество товара удостоверяется сертификатом (паспортом) качества, а также иными документами, предусмотренными действующим законодательством, подтверждающими качество продукции. Качество товара должно соответствовать установленным стандартам и техническим условиям завода-изготовителя и подтверждаться сертификатом заводских испытаний, выдаваемых заводом-изготовителем. Срок гарантии качества должен быть не менее 1 лет. Срок эксплуатации – не менее 3 лет.</p>	<p>The quality of the product is certified by a quality certificate (passport), as well as other documents provided for by current legislation confirming the quality of the product. The quality of the product must comply with established standards and technical specifications of the manufacturer and be confirmed by a factory test certificate issued by the manufacturer. The quality guarantee period must be at least 1 years. Service life – at least 3 years.</p>
--	--	---

7. YETKAZILISH MIQDARI, TO'LIQ TO'PLAMI, JOYI VA MUDDATI (DAVRLARI)GA TALABLAR.	7. ТРЕБОВАНИЯ К КОЛИЧЕСТВУ, КОМПЛЕКТАЦ И МЕСТУ И СРОКУ (ПЕРИОДИЧНОСТИ) ПОСТАВК	7. REQUIREMENTS FOR QUANTITY, COMPLETE SET, PLACE AND TIME(S) OF DELIVERY.
<p>Miqdori - ushbu texnik spetsifikatsiyaning 4.1-bandiga muvofiq; Yetkazib berish vaqti va joyi yetkazib beruvchining taklifi va shartnoma bilan belgilanadi.</p>	<p>Количество - согласно пункту 4.1 настоящего технического задания; Время и место доставки определяется предложением поставщика и договором.</p>	<p>Quantity - in accordance with clause 4.1 of this technical specification; The time and place of delivery is determined by the supplier's offer and the contract.</p>

<p>Разработчики: / Developed by:</p>	
<p><input checked="" type="checkbox"/> Начальник службы по обеспечению надежности: / Head of Reliability Services:</p>	<p> T. Diyorov</p>
<p>Заместитель главного механика: Deputy Chief Mechanical engineer:</p>	<p> F. Nurmatov</p>
<p>Инженер ОГМ: Engineer of the Chief Mechanic's Department:</p>	<p> F. Botirov</p>
<p>Начальник цеха производство Этилена: Shop Manager Ethylene production:</p>	<p> O. Murtazayev</p>
<p>Ведущий инженер СУМТР: Lead Engineer Material and Technical Resources Management Service:</p>	<p> U. Xidirov</p>
<p><input checked="" type="checkbox"/> Механик цеха производство Этилена: Mechanic of the Ethylene production shop:</p>	<p> A. Panjiyev</p>

Ushbu texnik topshiriq o'zbek, rus va ingliz tillarida tuzilgan. Agar tarjimada farqlar va tushunmovchiliklar bo'lsa, rus tilidagi matn ustunlik qiladi. Данное техническое задание составлено на узбекском, русском и английском языках. Если в переводе есть отличия и недоразумения, преобладает русский текст. This technical specification is written in Uzbek, Russian and English. If there are differences and misunderstandings in the translation, the Russian text prevails.

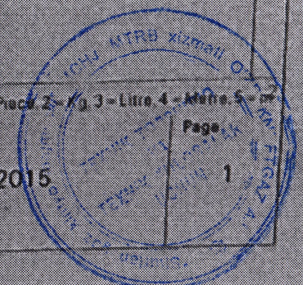


Remarks							
Name	USCT	Date	30 08 99	Customer No	2000138	Cam No	515009242000
Line	Quantity	Description	Drawing No	Material	Ident No	Remark	UOM
01	3,000	LIP SEAL RING 68 X 88 ←	1040	K3	364019		1
		BASERING PN 2	#310034, QUANTITY = 1	1.4571			1
		COMPRESSION RING PN 1401	#313922, QUANTITY = 1	1.4571			1
		LANTERN RING PN 11/1	#311833, QUANTITY = 1	1.4571			1
		HOUSING PU668-141 (NEW!)	QUANTITY = 1	1.4581			1
		PLUNGER PN. 387/10 ←	#314606, QUANTITY = 1				1
09	2,000	VALVE 0,2 BAR STANDAR	PV 70-075/3	4571/3.1	063019SV	GEH M ZEUGN 3 1B	1
		CONNECTION COVER PN 847/11 C/	#06301B, QUANTITY = 2				1
11	1,000	GLAND, SCREW CONNECTION 70 (MA	PN 1492/4	1.4463	312646		1
12	8,000	SCREW, BOLT M 12 X 65	DIN 938	A 2	100345		1
13	4,000	SCREW, BOLT M 12 X 45	DIN 938	A 2	100457		1
14	8,000	NUT M 12	DIN 934	A 2	100291		1
15	4,000	NUT M 12	DIN 934	A 2	100291		1
16	4,000	GASKET 52 X 69 X 2 ←		FD 10	150131		1
100	1,000	PLATE, LABEL	SCHI 383/2	PVC	060558	F. FLUSSIGKEITSSPERRI	1
		<<<<>>>					

For ordering parts For Ident No. with alphabetic appendix Order No. is mandatory

Producer	Description	Drawing No	Ident No	Quantity	Serial No	Page
Bran + Luebbe	PUMP HEAD 68 X 60 K3 PS668S-011 L2S3A	PU668 070	073875SV	2,000	5102015	1

UOM 1 = Piece 2 = Kg 3 = Litre 4 = Metre 5 = m



Line	Quantity	Description	Drawing No.	Material	Ident No	Remark
34	1,000	BELLOWS ←		CR	229641	GA 1205
35	2,000	TUBE/HOSE CLIP 80 100/9SKZ	DIN 3017	1 4018	155105	
36	2,000	BEARING 6206	DIN 625		120005	
37	1,000	BEARING 51306	DIN 711		120013	
38	1,000	SPRING WASHER B 6	DIN 127	1 4310	101596	
39	1,000	WASHER, DISC 48X 60 X3	DIN 988	FEDERST	101703	
40	3,000	WASHER, DISC 48X 60 X0,1	DIN 988	ST	101521	
42	2,000	PARALLEL KEY A 8 X 7 X 38	DIN 6886	ST 60	100481	
44	1,000	ASSEMBLY VERST EXZENTER	CD 020/4		429104S	
46	1,000	WORM WHEEL 33/2	C 424/2	2 1060 D	223013	
47	1,000	WORM SHAFT 33/2	C 427/2	16MNCR5	224042	
49	1,000	ASSEMBLY AUSF A	CDS3 03/5		429631S	
51	1,000	HOUSING	D 103	C 45	220080	
52	1,000	SPINDLE	D 104	C 15	220081	
53	1,000	CONNECTION STUD	D 105/1	9SMN28 K	220082	
54	1,000	ORIFICE G 3/8 G 1/8I	K 77/2	5 B	227062	
55	1,000	HOUSING	K 78	9SMN28 K	227063	
56	2,000	INSPECTION GLASS G 3/8	GN 541	POLYAMID	155159	
57	1,000	GASKET, SEALING 14 X 21 X 3		VULKOLLA	150453	
58	1,000	SLOTTED SCREW M 4 X 8	DIN 916	45 H	102167	
59	2,000	GLAND, SCREW CONNECTION	WE 8 LLR	ST A3K	170246	
60	1,000	GLAND, SCREW CONNECTION	TE 8 LLR	ST A3K	170004	
61	1,000	GLAND, SCREW CONNECTION G 3/8	K- 73/2	ST	227079	
62	1,000	GLAND, SCREW CONNECTION	GE 8 LLR	ST A3K	170140	
63	0,260	TUBE, PIPE 8 X 1	DIN 2391	ST 35	815006	
64	0,220	TUBE, PIPE 8 X 1	DIN 2391	ST 35	815006	
65	0,094	TUBE, PIPE 8 X 1	DIN 2391	ST 35	815006	

For ordering parts For Ident No. with alphabetic appendix Order No. is mandatory

Producer	Description	Drawing No.	Ident No.	Quantity	Serial No.	Page
Bran + Luebbe GmbH	GEAR BOX (MIT D 134IN > 700) DH310 04 33/2	DH 05/2	412059S	4,000	5102014	2

UOM: 1 = Piece, 2 = Kg, 3 = Litre, 4 = Metre, 5 = m²



Line	Quantity	Description	Drawing No.	Material	Ident. No.	Remark	
01	1 000	HOUSING COVER PN 2504 (NEW) /	P 650 SML 3/3 QUANTITY = 1	GG 20 4581/3 1	330753	GEH M ZEUGN 3 1B	
04	2 000	VALVE 0 2 BAR STANDAR CONNECTION COVER PN 847/11 B	PV 54-099/2 #056568, QUANTITY = 2	4571/3 1 4571/3 1	056560SV		
10	1 000	DIAPHRAGM MEHRL D=248	PN 0178		530037S		
12	1 000	WASHER, DISC	PN 1226/5	C 45	303230		
13	1 000	PIN	PN 1097/3	1 2210	303083		
14	1 000	TAPPET 8 X 51	PN 1245/2	1 2210	360108		
		PLUNGER PN 445/10 /	#314970, QUANTITY = 1	1 4571 - 2 unit 9 mm			
		INTERMEDIATE RING PN 1275/1	#303240, QUANTITY = 1	1 4571			
		LANTERN RING PN 1276/1 /	#303255, QUANTITY = 1	1 4571			
20	1 000	GLAND, SCREW CONNECTION 50	PN 1277/1	1 4571	303270		
21	3 000	V PACKING COLLAR 50 X 70	1160	K3	365617		
22	1 000	BASE RING 50 X 70	1161	K3	365619		
24	1 000	GROOVED RING, SLOTRING 50 X 60		NBR	369501		
25	1 000	O RING 64 X 3		NBR	152064		
27	1 000	GASKET, SEALING	PN 1244	FD 3	360109		
28	1 000	COVER	PN 1243/2	PLEXI	360107		
29	1 000	VALVE NACHF	V-0172/2	1 4571	542516		
30	1 000	VALVE 1,0 BAR	V-0150/2	1 4571	542513		
31	1 000	VALVE	DBDS20K1X/ 50/SO60	ST	545004		
33	3 000	SPRING 1 1 X 6 5 X 31 X16 5	PN-1475	FEDERST	190192		
34	8 000	SCREW, BOLT HR M20X165 (A3D)	DIN 2510	42CRMO4	055489		V . FESTIGKEIT GEM.
35	8 000	NUT NF M20 (A3D)	DIN 2510	24CRMO5	100059		
36	8 000	WASHER, DISC 21	DIN 125	ST 50/ZN	101692		
37	4 000	SCREW, BOLT M 12 X 35	DIN 939	A 2 70	100585		V
38	4 000	NUT M 12	DIN 934	A 2	100291		V

Case No. 515009241000

Contractor No. 2000138

Date 27.08.99

USCT

- 20
- 21
- 22
- 24
- 25
- 27
- 28
- 29
- 30
- 31
- 33
- 34
- 35
- 36
- 37
- 38

For ordering parts: For Ident. No. with alphabetic appendix Order No. is mandatory

Producer	Description	Drawing No.	Ident. No.	Quantity	Serial No.	Page
Bran + Lubbo GmbH	PUMP HEAD 50 X 60 (> 30 - 41) P650 SML2 03 (ANZ MOM 195NM)	PML2 011/5	513966SV	2.000	5102014	1

UOM: 1 = Piece 2 = Kg. 3 = Liter, 4 = Meter, 5 = m²



USCT		Date	Customer No.	515009241000		
Line	Quantity	Description	Drawing No.	Material	Ident. No.	Remark
01	1 000	HOUSING COVER PN 2504 (NEW) /	P 642 SML 3/3 QUANTITY = 1	GG 20 4581/3 1	330757	
04	2 000	VALVE 0.2 BAR STANDAR CONNECTION COVER PN 847/11 B	PV 54 099/2 #056568, QUANTITY = 2	4571/3 1 4571/3 1	056560SV	GEH M ZEUGN 3 18
10	1 000	DIAPHRAGM MEHRL D=248	PN 0176		530037S	
12	1 000	WASHER DISC	PN 1226/5	C 45	303230	
13	1 000	PIN	PN 1097/3	1 2210	303083	
14	1 000	TAPPET 8 X 51	PN 1245/2	1 2210	360108	
		PLUNGER PN 443/5 ←	#314952 QUANTITY = 1	1 4571 - 2 Stück - 5 mm		
		INTERMEDIATE RING PN 616/6 /	#303034, QUANTITY = 1	1 4571		
		LANTERN RING PN 1229/1 /	#303262, QUANTITY = 1	1 4571		
20	1 000	GLAND, SCREW CONNECTION 42	PN 1234/2	1 4571	303277	
21	3 000	V PACKING COLLAR 42 X 54 ←	1160	K3	364060	
22	1 000	BASE RING 42 X 54 ←	1161	K3	364085	
24	1 000	GROOVED RING, SLOTRING 42 X 52		NBR	369549	
25	1 000	O RING 50 X 5 ←		NBR	152063	
27	1 000	GASKET, SEALING	PN 1244	FD 3	360109	
28	1 000	COVER	PN 1243/2	PLEXI	360107	
29	1 000	VALVE NACHF	V 0172/2	1 4571	542516	
30	1 000	VALVE 1,0 BAR	V-0150/2	1 4571	542513	
31	1 000	VALVE	DBDS20K1X/ 50/S060	ST	545004	
33	3 000	SPRING 1.1 X 6.5 X 31 X16.5	PN 1475	FEDERST	190192	
34	8 000	SCREW, BOLT HR M20X165 (A3D)	DIN 2510	42CRMO4	055489	V, FESTIGKEIT GEM
35	8 000	NUT NF M20 (A3D)	DIN 2510	24CRMO5	100059	
36	8 000	WASHER, DISC 21	DIN 125	ST 50/ZN	101692	
37	4 000	SCREW, BOLT M 12 X 35	DIN 939	A 2 70	100585	V
38	4,000	NUT M 12	DIN 934	A 2	100291	V

For ordering parts For Ident. No. with alphabetic appendix Order No. is mandatory

Producer

Description

Drawing No.

Ident. No.

Quantity

Serial No.

Bran + Luebbe
GmbH

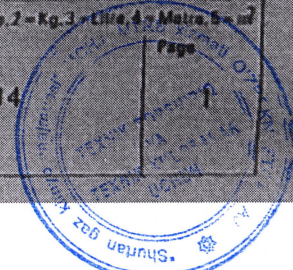
PUMP HEAD 42 X 60 (> 30-45)
P642 SML2-03 (ANZ MOM 195NM)

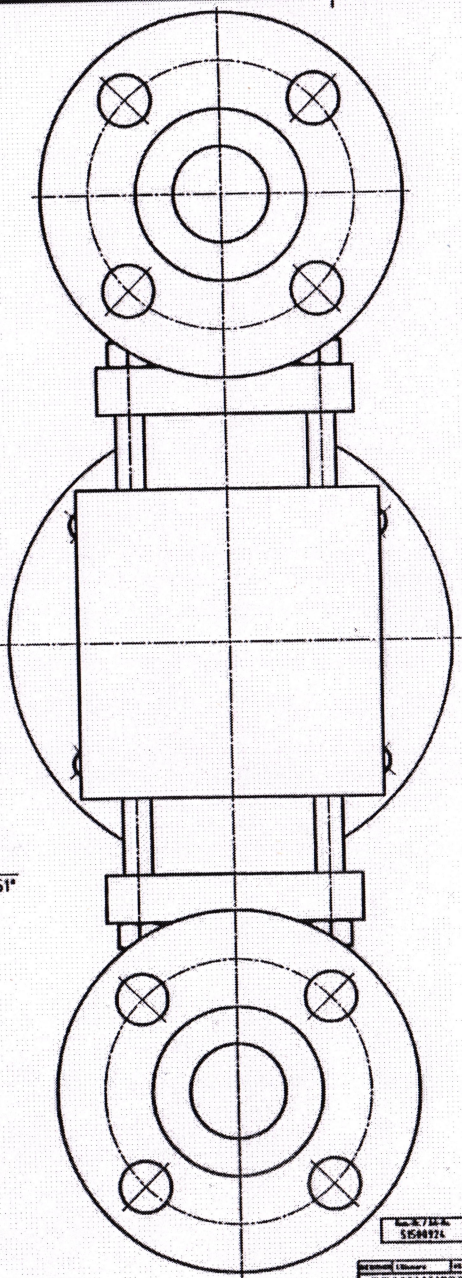
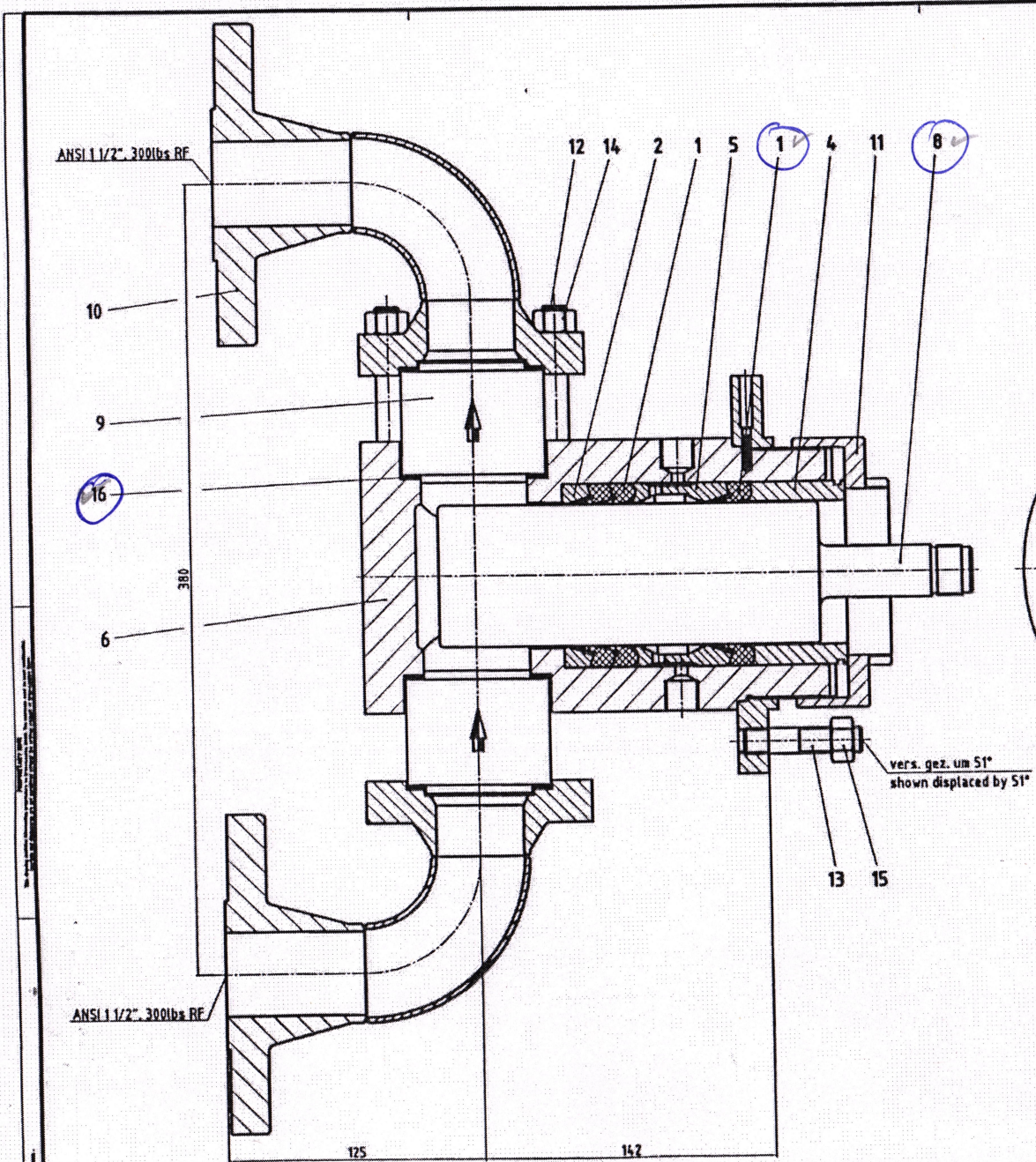
PML2-011/5

513866SV

4,000

5102014



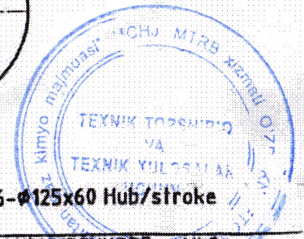
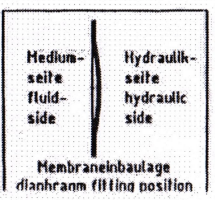
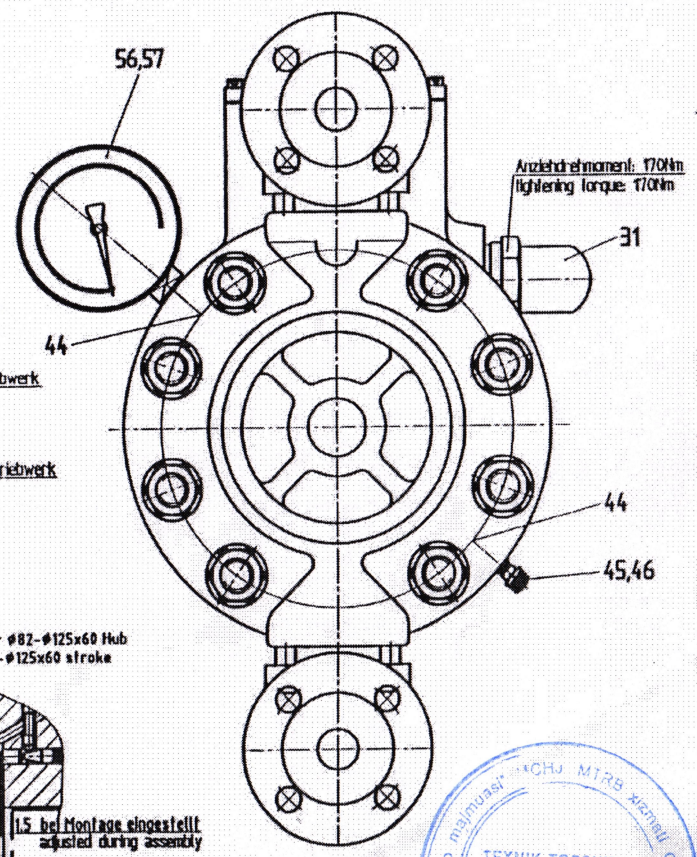
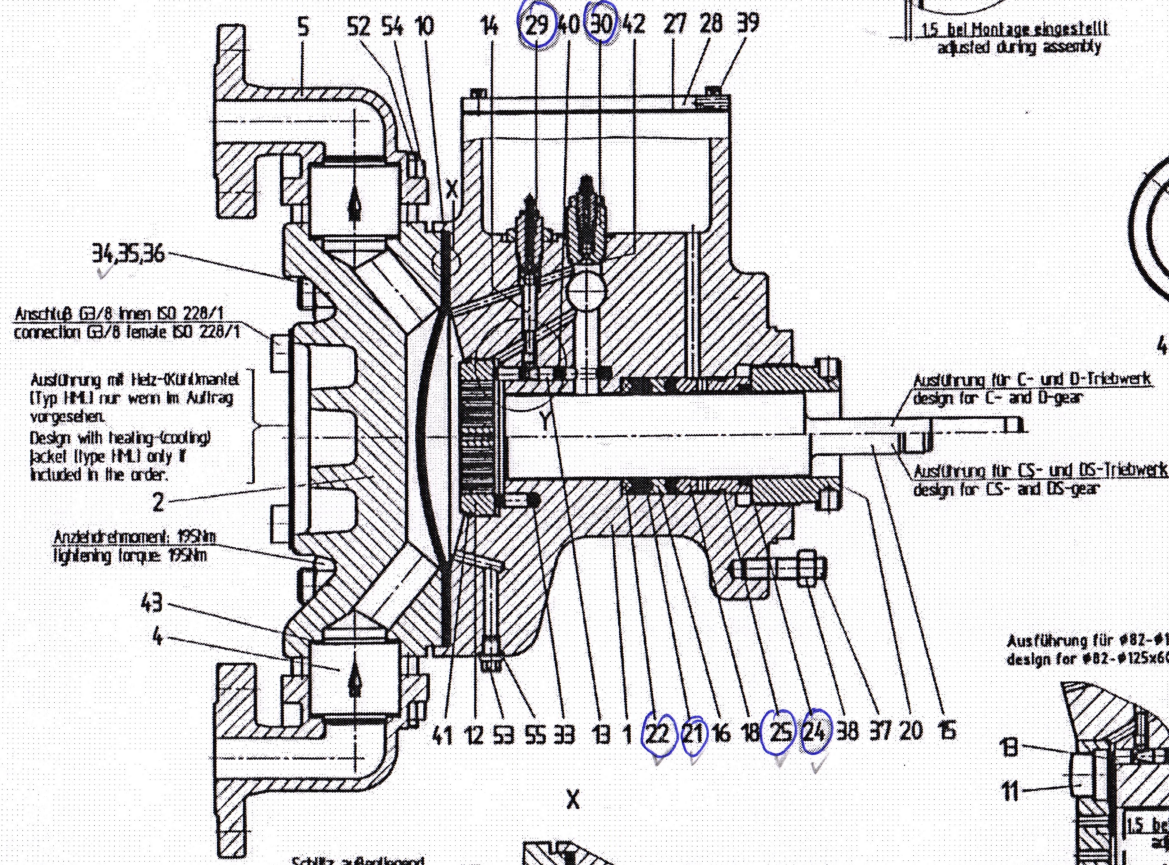
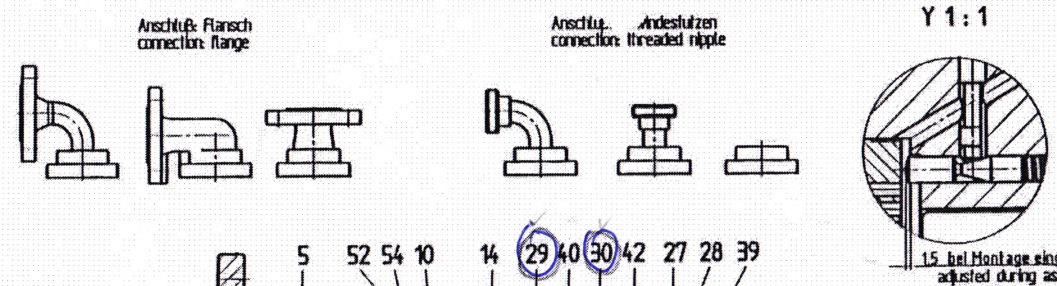


BRANFLUERBE
550921

BRANFLUERBE
Pumpenlager 68x68
Pumpenlager 68x68



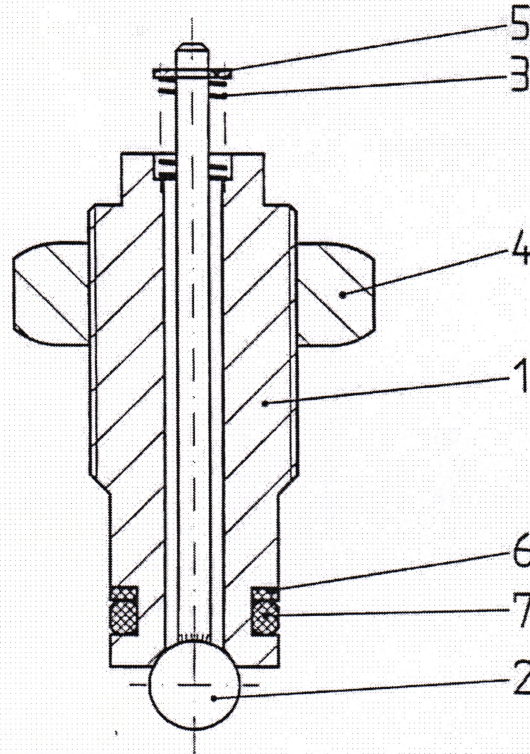
PNEUMATICALLY ASSISTED
 The operating pressure is limited to 10 bar (145 psi). The operating fluid is not self-lubricating.
 The operating pressure is limited to 10 bar (145 psi). The operating fluid is not self-lubricating.



DESIGNED	W. H. F. S.	NO. 82.95	TITLE 1	MEMBRANPUMPENKOPF	ML 2
DRAWN	W. H. F. S.	NO. 82.95	TITLE 1	DIAPHRAGM PUMP HEAD	ML 2
CHECKED	R. B. B.	NO. 81.99	MATERIAL		
APPROVED	R. B. B.	NO. 81.99	SCALE	1:2	
DATE	NO. 81.99		SHEET	1/1	DRAWING NO.
					PML2-011
					REV. 5

PROPRIETARY NOTE

This drawing contains information proprietary to Bran+Luebbe GmbH. Contents must be kept confidential. Reprints and disclosures are not permitted without written consent of Bran+Luebbe GmbH.



DESIGNED	Bergmann	09. 09. 92
----------	----------	------------

BRAN + LUEBBE	TITEL 1	VENTIL NACHFÜLL-
	TITEL 2	VALVE REPLENISHING

- CAD-DRAWING -

DRAWN	K. Sturm	11. 10. 94
-------	----------	------------

CHANGED	K. Sturm	11. 10. 94
---------	----------	------------

MATERIAL	IDENT-NO.	REV. 2
----------	-----------	--------

APPROVED	R. Bräuer	15. 11. 94
----------	-----------	------------

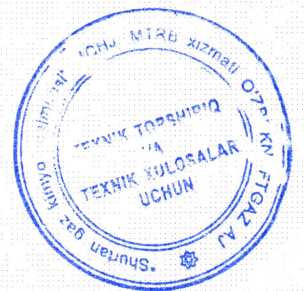
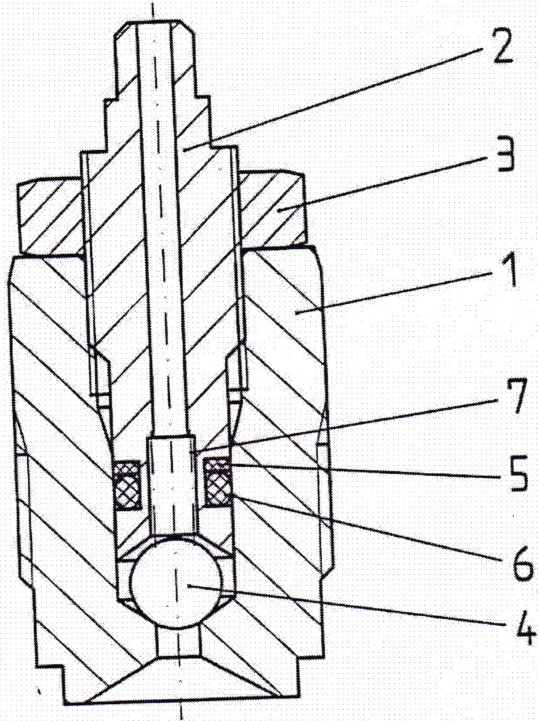
FORMAT	SCALE	SHEET	DRAWING NO
--------	-------	-------	------------

RELEASED	R. Bräuer	15. 11. 94
----------	-----------	------------

A4	2: 1	1/1	V-0172
----	------	-----	--------

PROPRIETARY NOTE

This drawing contains information proprietary to Bran+Luebbe GmbH Contents must be kept confidential/prints and disclosures are not permitted without written consent of Bran+Luebbe GmbH



DESIGNED	Wente	25. 07. 75
----------	-------	------------

BRAN + LUEBBE

TITEL 1 ENTLÜFTUNGSVENTIL
TITEL 2 VENT VALVE

- CAD-DRAWING -

DRAWN	W. Naundorf	15. 02. 95
-------	-------------	------------

MATERIAL	IDENT-NO.	REV. 2
----------	-----------	--------

CHANGED	W. Naundorf	15. 02. 95
---------	-------------	------------

APPROVED	R. Wuestefeld	28. 02. 95
----------	---------------	------------

FORMAT	SCALE	SHEET	DRAWING NO
A4	2: 1	1/1	V-0150

RELEASED	R. Wuestefeld	01. 03. 95
----------	---------------	------------