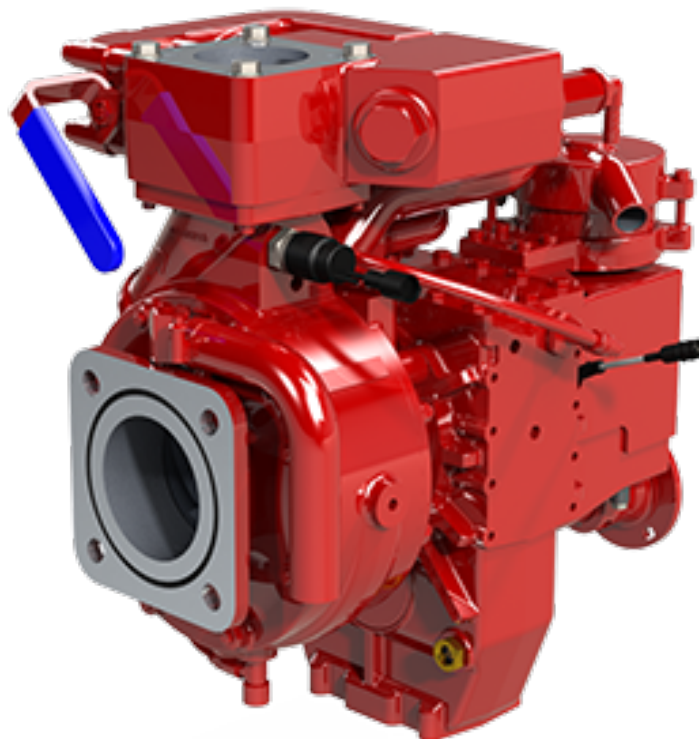


Vehicle Mounted Pump KP1 & KP2 SPARES MANUAL



GP/317
Issue 1, JAN 2023

IDEX
FIRE & SAFETY

The Trusted IDEX Fire & Safety Brands

AKRON BRASS ALCO AWG CAPTIUM DINGLEE GODIVA HALE HURST LUKAS SAMFLOWS VETTER WELDON

Model: KP1, KP2



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Safety

Thank you for purchasing a Godiva Pump.

Godiva Pumps are designed to give safe and reliable service. BEFORE use, it is essential that the Operating and Installation Instructions are carefully read and understood.

Please read this manual before operating the machinery.

Safety notices -



= non-compliance could affect safety

IMPORTANT

= in case of damage to pump

ATTENTION

= in case of personal hazards

Maintenance

It is the responsibility of the user to ensure that the equipment is maintained in a safe operational condition. Local legislative conditions may apply. UK only, Maintenance (Regulation 5) of the Provision and Use of Work Equipment Regulations 1998 applies.

Training

It is ESSENTIAL that Godiva pumps are operated ONLY by TRAINED PERSONNEL. Please contact Godiva Ltd to discuss your training needs. Follow the operating procedures laid down in this document and avoid personal injury.

Safety Points

The following points apply mainly to pumps driven by petrol, diesel or other means:

- The exhaust system and manifolds become VERY HOT in use, DO NOT TOUCH. Allow the system to cool before maintenance or inspection.
- DO NOT REMOVE the radiator pressure cap if the engine is either hot or running.
- DO NOT OPERATE the unit close to flammable materials or structures.
- ENSURE that exhaust fumes are safely ventilated.
- DO NOT SMOKE while operating the unit.
- DO NOT inhale fumes or gases.
- DO NOT REFUEL unless the engine is stationary and COLD.
- ENSURE that the fuel cap is secure and DO NOT overfill the tank.
- Avoid prolonged skin contact with fluids, particularly if corrosive or carcinogenic.
- When in use, keep ALL UNTRAINED people AWAY from the unit.
- Where appropriate, eye protection should be worn.
- DO NOT run the engine with the alternator or batteries disconnected.
- Disconnect the negative (-ve) battery lead first and reconnect last.
- Isolate the electrical supply when working on the pump.
- Avoid battery spillage (if applicable to the battery type).
- Batteries produce EXPLOSIVE GASES, do not expose to sources of heat and naked flames.
- DO NOT lift heavy weights without assistance.
- DO NOT remove protective guards or shields.

Safety

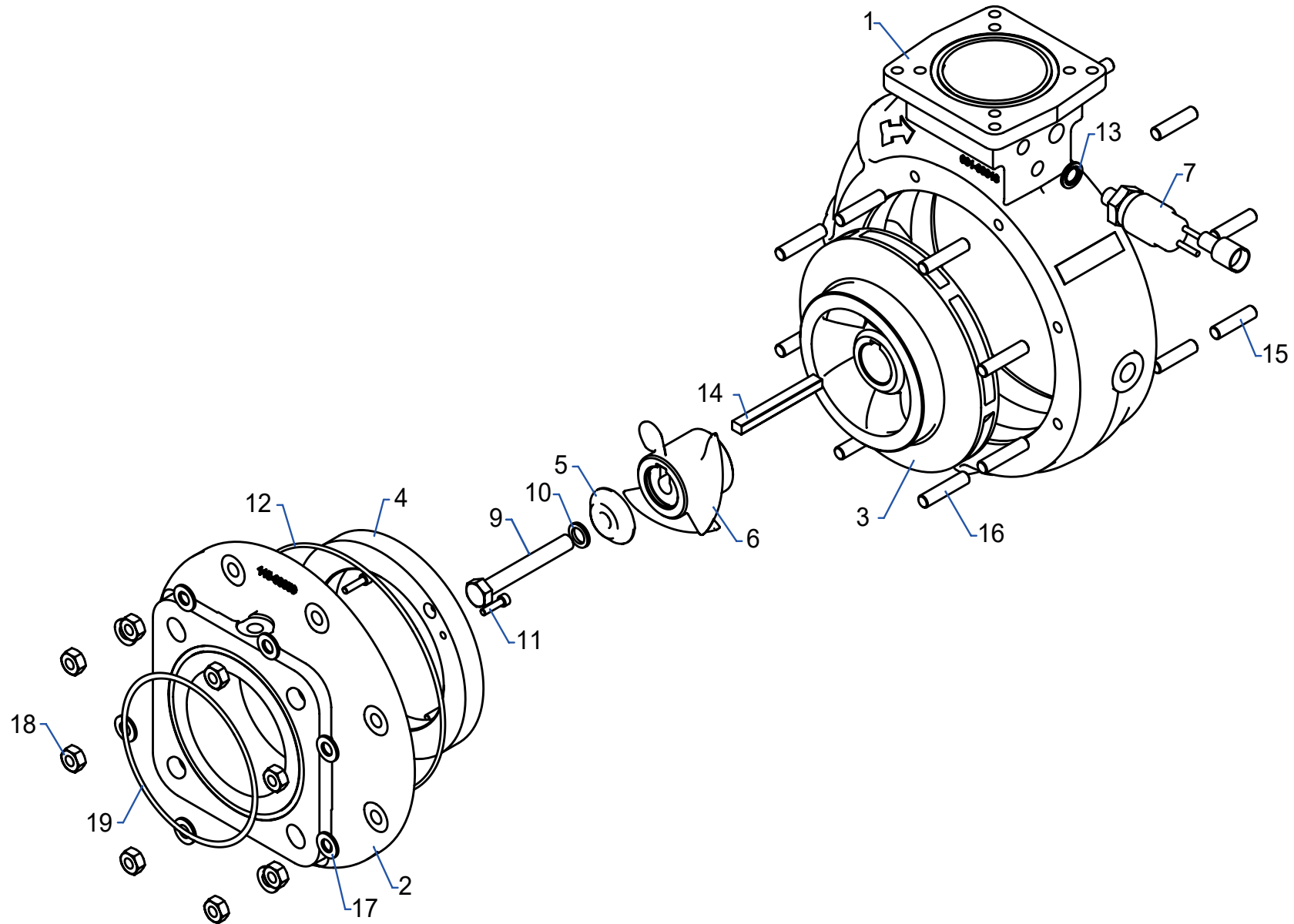
Noise

Operators must wear suitable EAR PROTECTION when the pump is running.

Environmental Protection

It is prohibited to pour engine oil and other contaminants onto the ground, down sewers, drains, or into water courses. Dispose of lubricants through authorised waste disposal contractors, licensed waste disposal sites, or to the waste reclamation trade. If in doubt, contact your Local Environmental Agency for advice regarding disposal policies.

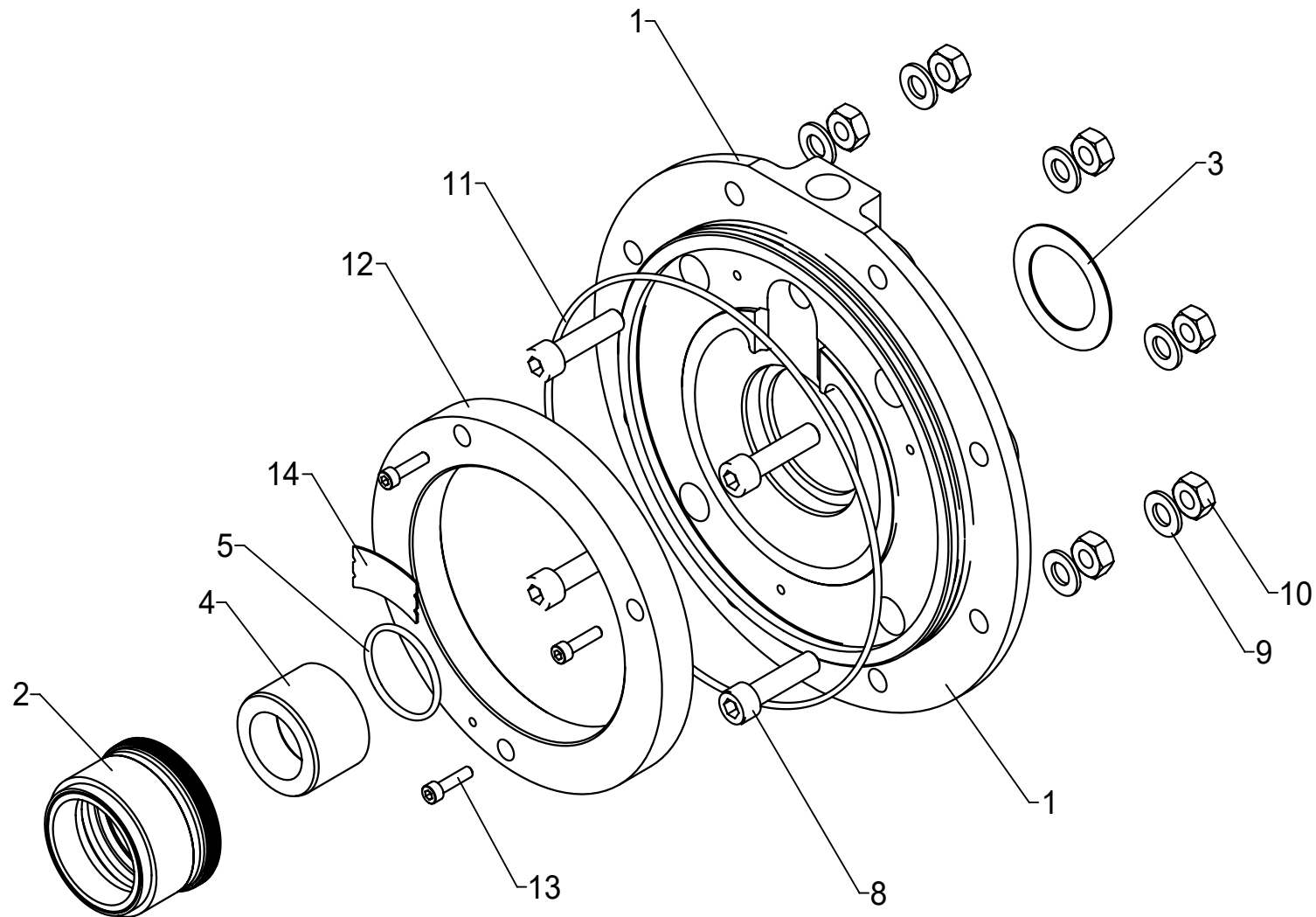
KP1 - Volute Group



KP1 - Volute Group

Item	Description	Quantity	Aluminium	Gunmetal	Notes
1	VOLUTE, MACHINING	1	001-00019-000		
2	SUCTION FLANGE, MACHINING	1	115-00060-000		
3	IMPELLER, KP, 6V, MC, AL	1	016-00011-001		
4	WEAR RING	1	242-00011-400		
5	END CLAMP	1	005-00024-200		
6	INDUCER MACHINING	1	016-00013-200		
7	PRESSURE SWITCH	1	65141		
8	O-RING, Ø84.5 X 3.0	1	THM11034		
9	BOLT, SS HEX HD M12x90	1	MS119/90		
10	M12 NORD-LOCK WASHER	1	60072/04		
11	SCREW, SS SKT HD CAP M5x20	3	MS162/20		
12	O-RING, Ø199.5 x 3.0	1	240-31995-000		
13	BONDED SEAL ¼" BSP SELFCE	1	UFP2303/5		
14	KEY, RECT PAR'L 10x8x85LG	1	017-00012-200		
15	STUD, SS M10x25	8	MS149/25		
16	STUD, SS M10x30	8	MS149/30		
17	WASHER, STD HVY M10	8	MS25/10		
18	NUT, FULL M10	8	MS35/9		
19	O-RING, Ø134.5 X 3.0	1	53526		

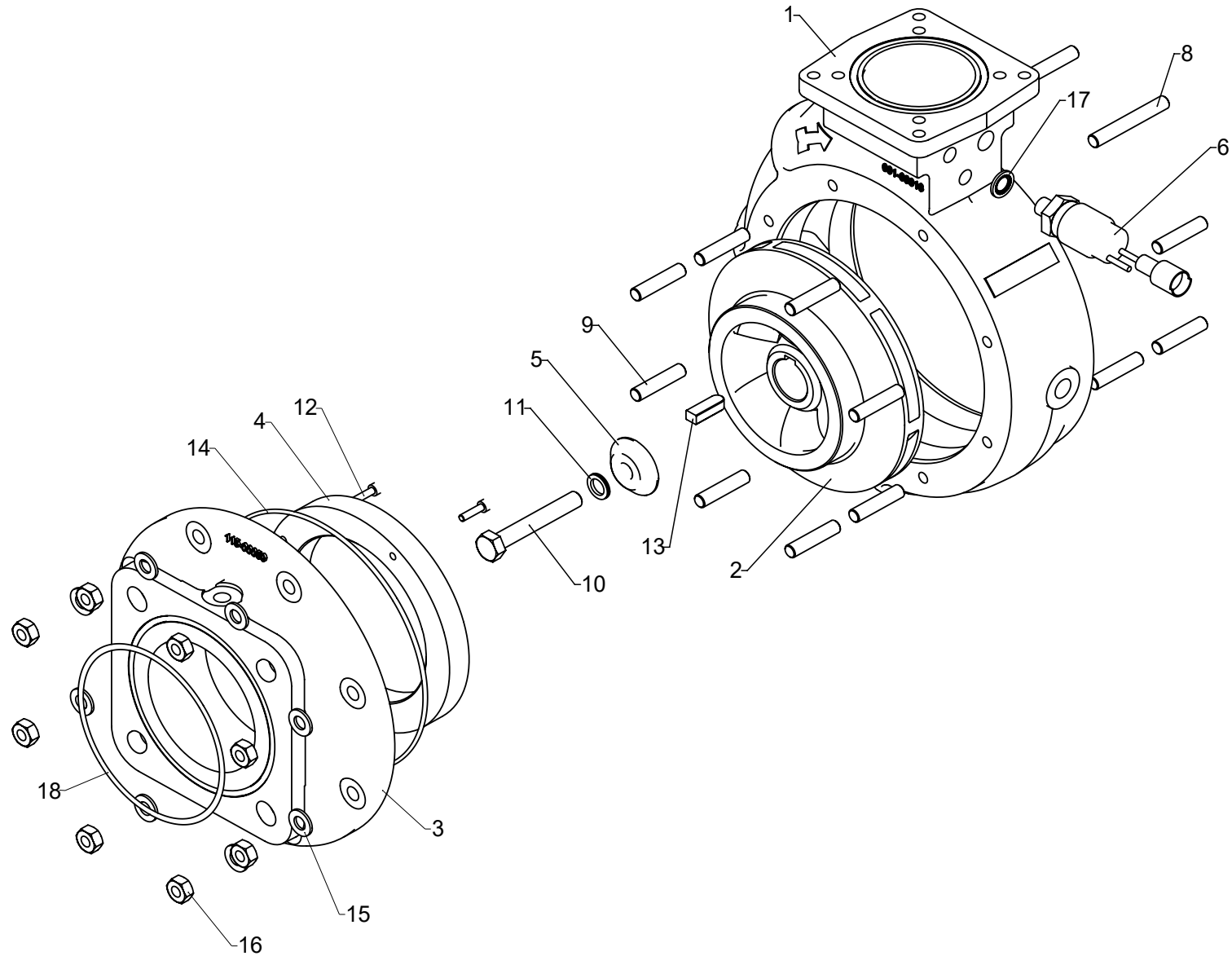
KP1 - Pump Body



KP1 - Pump Body

Item	Description	Quantity	Aluminium	Gunmetal	Notes
1	ADAPTER PLATE	1	001-00021-000		
2	MECHANICAL SEAL	1	296-00014		
3	FLINGER	1	142-00019-200		
4	SPACER	1	048-00048-200		
5	O RING	1	UMP9816		
6	O RING	1	240-51243-000		
7	BONDED SEAL	4	MS133/10		
8	SCREW	4	MS165/40		
9	WASHER	8	MS25/10		
10	NUT	8	MS35/9		
11	O RING	1	240-31995-000		
12	WEAR RING	1	242-00011-400		
13	SCREW	3	MS162/20		
14	PLATE PRIMING	1	005-00032-200		

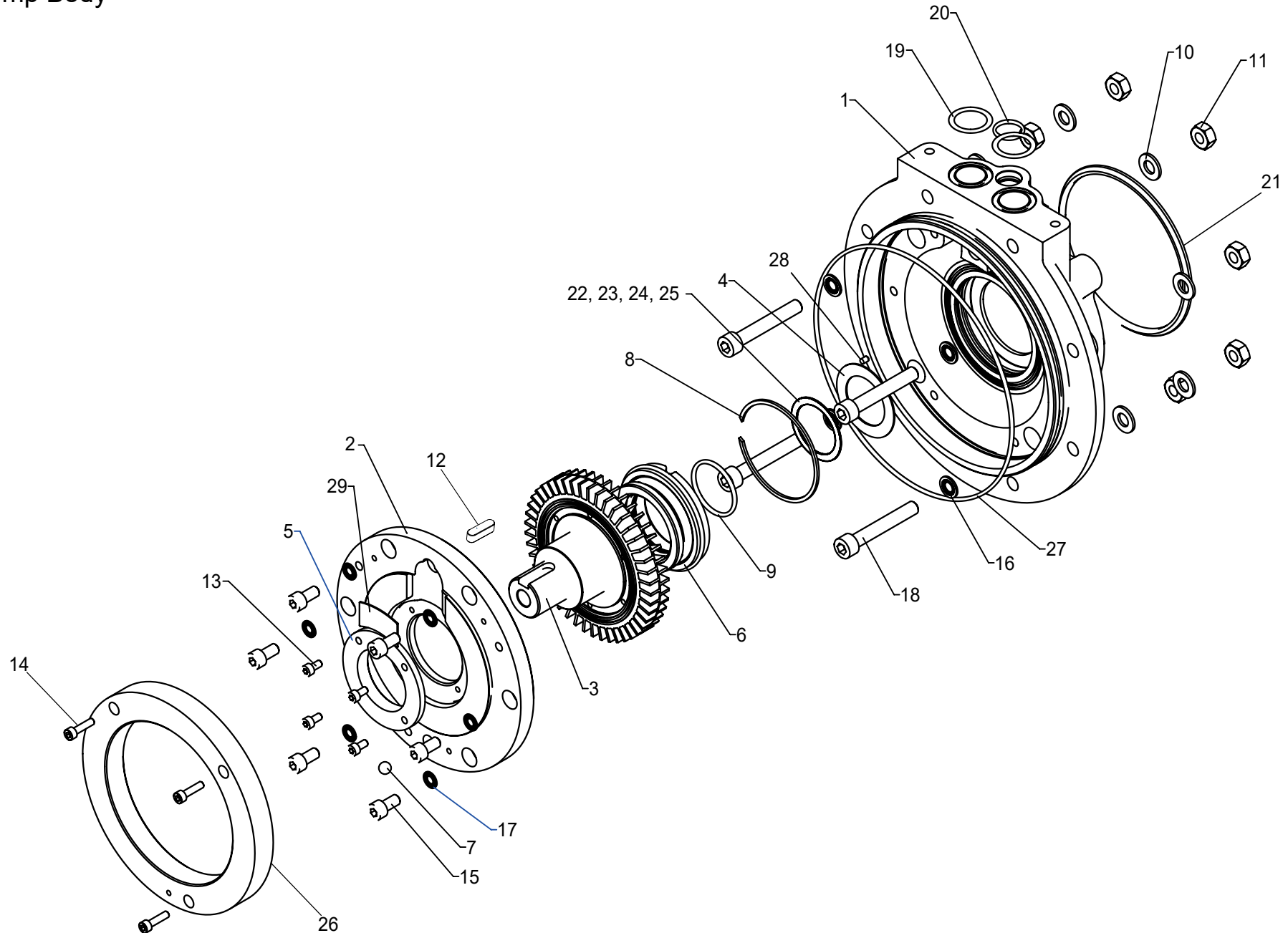
KP2 - Volute Group



KP2 - Volute Group

Item	Description	Quantity	Aluminium	Gunmetal	Notes
1	VOLUTE, MACHINING	1	001-00019-000	011-00019-100	
2	IMPELLER, KP, 6V, MC, AL	1	016-00011-001	016-00011-101	
3	SUCTION FLANGE, MACHINING	1	115-00060-000	115-00060-100	
4	WEAR RING	1	242-00011-400		
5	END CLAMP	1	005-00024-200		
6	PRESSURE SWITCH	1	65141		
7	O-RING, Ø84.5 X 3.0	1	THM11034		
8	STUD, SS M10x55	2	MS149/55		
9	STUD, SS M10x30	14	MS149/30		
10	BOLT, SS HEX HD M12x80	1	MS119/80		
11	M12 NORD-LOCK WASHER	1	60072/04		
12	SCREW, SS SKT HD CAP M5x20	3	MS162/20		
13	KEY, RECT PAR'L 10x8x30LG	1	017-00011-000		
14	O-RING, Ø199.5 x 3.0	1	240-31995-000		
15	WASHER, STD HVY M10	8	MS25/10		
16	NUT, FULL M10	8	MS35/9		
17	BONDED SEAL ¼" BSP SELF CENT	1	UFP2303/5		
18	O-RING, Ø134.5 X 3.0	1	53526		

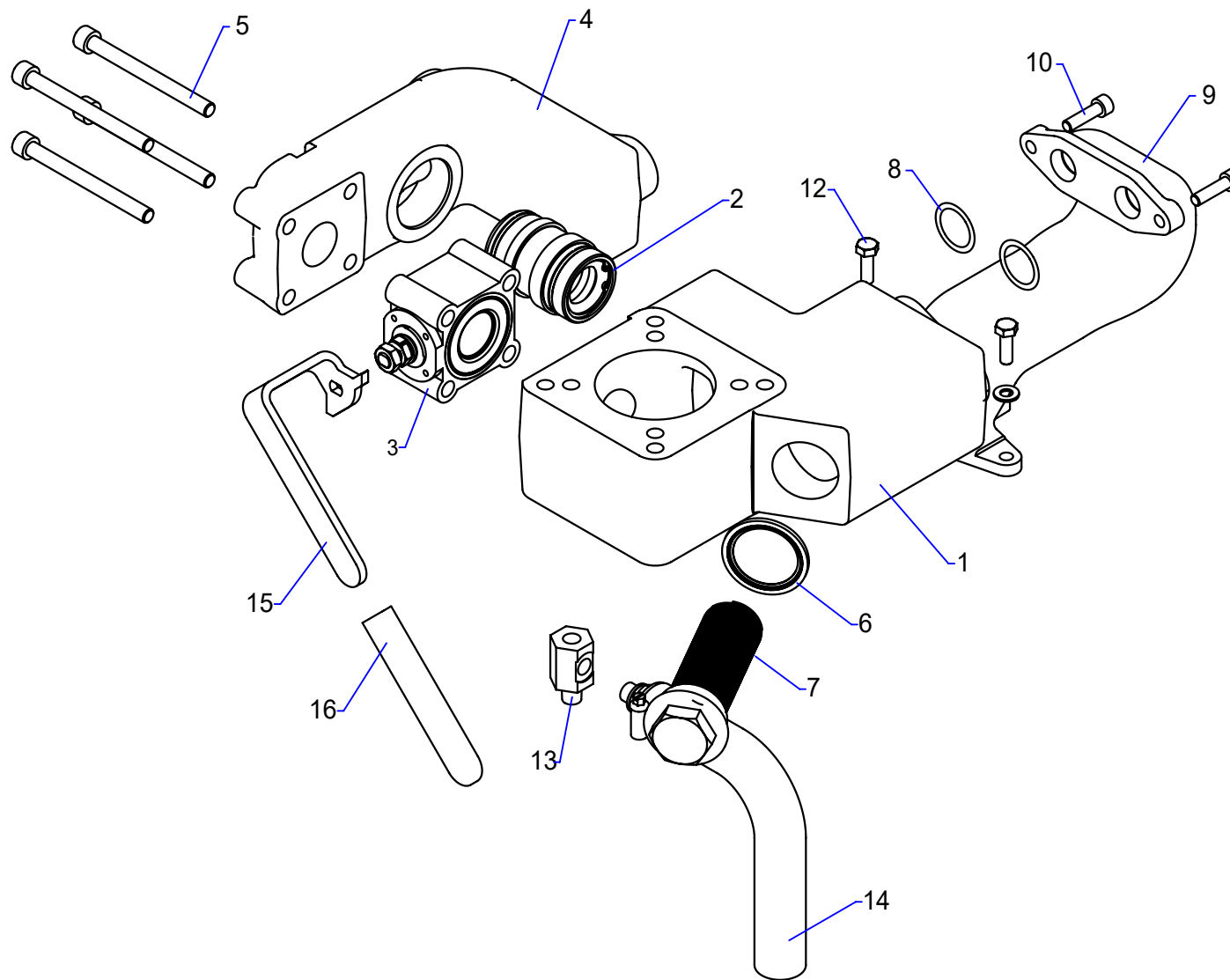
KP2 - Pump Body



KP2 - Pump Body

Item	Description	Quantity	Aluminium	Gunmetal	Notes
1	PUMP BODY, HP, MACHINING	1	001-00017-200		
2	COVER PLATE HP MACHINING	1	002-00016-200		
3	HP IMPELLER, MACHINING	1	016-00015-200		
4	FLINGER	1	142-00019-200		
5	INTERSTAGE BUSH	1	321-00010		
6	MECHANICAL SEAL HP	1	296-00013		
7	BALL-9 DIA ST.ST.	1	65003		
8	SNAP RING, INTERNAL, Ø80	1	277-00800-200		
9	O-RING, Ø39.5 X 3.0	1	UMP9816		
10	WASHER, STD HVY M10	8	MS25/10		
11	NUT, FULL M10	8	MS35/9		
12	KEY, SS RECT PAR'L 10x8x35	1	MS180/14		
13	SCREW, SS SKT HD CAP M5x10	4	MS162/10		
14	SCREW, SS SKT HD CAP M5x20	3	MS162/20		
15	SCREW, SS SKT HD CAP M8x16	6	MS164/16		
16	BONDED SEAL M10 SELFCEMENT	4	MS133/10		
17	BONDED SEAL M8 SELFCEMENT	6	MS133/8		
18	SCREW, SS SKT HD CAP M10x65	4	MS165/65		
19	O-RING, Ø27.6 x 2.4	2	52068/02		
20	O-RING, Ø18.6 x 2.4	1	240-20186-000		
21	O-RING, Ø124.3 x 5.70	1	240-51243-000		
22	SHIM 2" OD x .010" ST.ST.	3	UMP9411/1		
23	SHIM 2" OD x .005" ST.ST.	2	UMP9411/2		
24	SHIM 2" OD x .010" ST.ST.	1	UMP9411/3		
25	SHIM 2" OD x .015" ST.ST.	1	UMP9411/4		
26	WEAR RING	1	242-00011-400		
27	O-RING, Ø199.5 x 3.0	1	240-31995-000		
28	DOWEL, Ø4 x 6LG	1	MS76/65		
29	PLATE, PRIMING	1	005-00032-200		

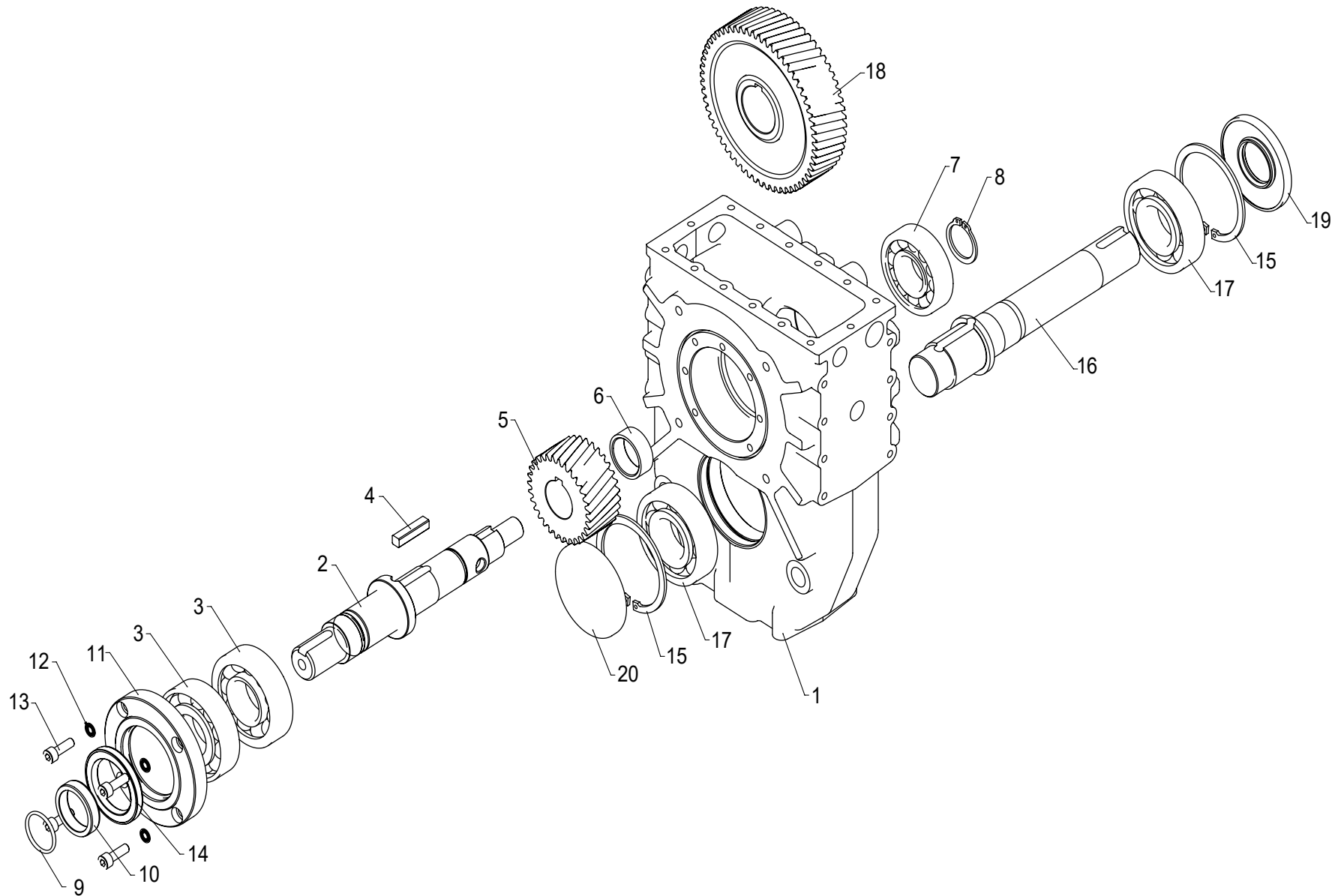
KP2 - High Pressure Manifold



KP2 - High Pressure Manifold

Item	Description	Quantity	Aluminium	Gunmetal	Notes
1	HOUSING, HP FILTER, MACHINING	1	178-00307-000	178-00307-100	
2	RELIEF VALVE ASSEMBLY	1	65099		
3	BALL VALVE SERIES 83R 1½"	1	65080		
4	MANIFOLD, HP OUTLET, MACHINE	1	178-00309-000	178-00309-100	
5	SCREW, SS SKT HD CAP M10x110	4	MS165/110		
6	BONDED SEAL 1½" BSP SELF CENT	1	UFP2303/15		
7	FILTER, HP	1	010-00032-001		
8	O-RING, Ø27.6 x 2.4 90 SHORE A	2	240-20276-002		
9	MANIFOLD, HP CONN, MACHINE	1	178-00311-000	178-00311-102	
10	SCREW, SS SKT HD CAP M8x30	2	MS164/30		
11	WASHER, STD HVY M8	2	MS25/9		
12	SCREW, HEX HD M8x25	2	MS05/25		
13	ADAPTOR, SPRV	1	007-00105-000		
14	PRESSURE RELIEF ASSEMBLY	1	65414		
15	HANDLE, CROSSOVER, LH	1	012-00051-000		
16	RECTANGULAR SLEEVE BLUE	1	65550/007		

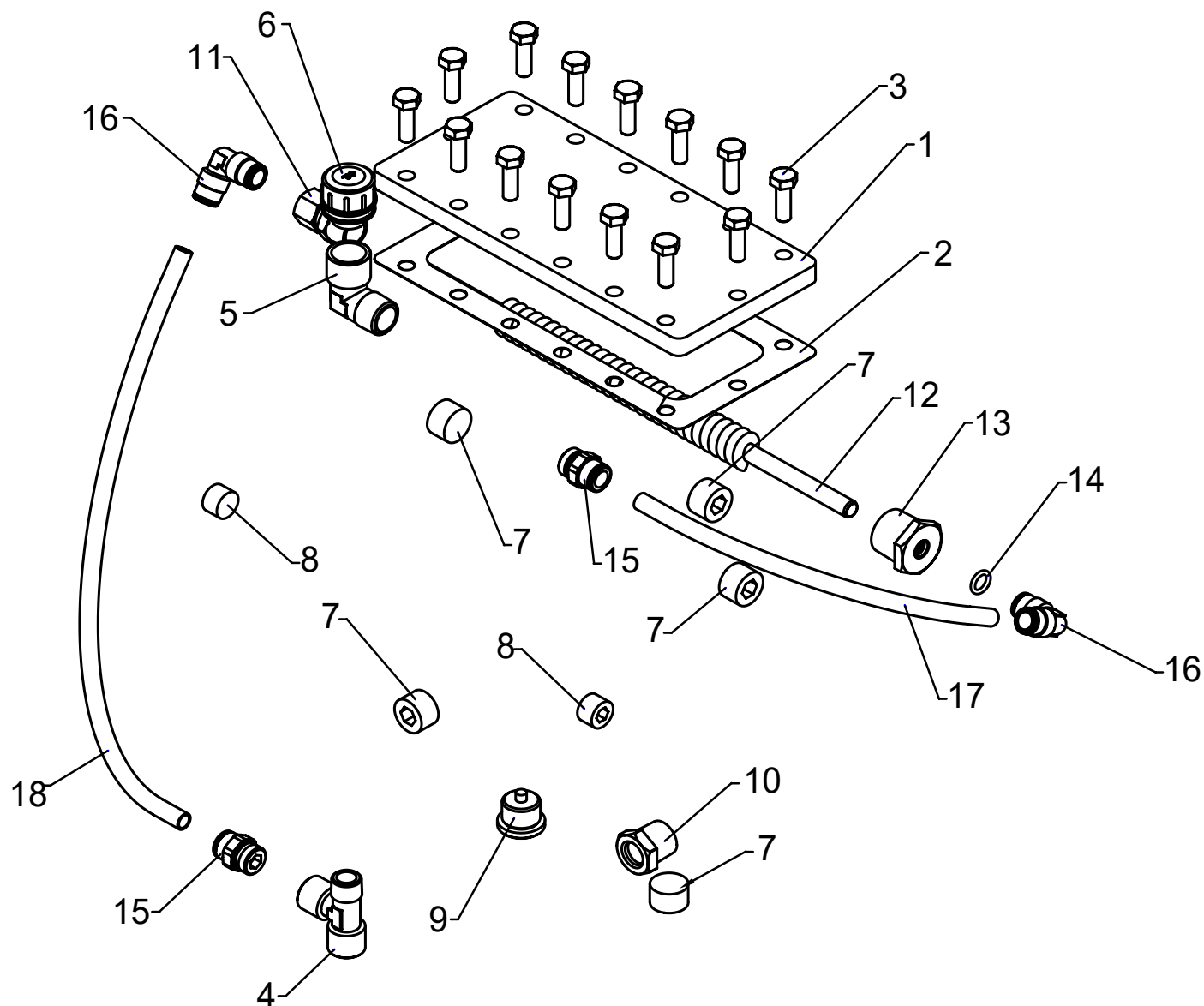
KP1 and KP2 - Gearbox



KP1 and KP2 - Gearbox

Item	Description	Quantity	Aluminium	Gunmetal	Notes
1	GEARBOX, MACHINING	1	004-00012-000		
2	PUMP SHAFT	1	037-00016-200		
3	BALL BEARING (FAG 7308-B-TVH)	2	250-01001		
4	KEY, 3/8" X 1-5/8", SE	2	017-0760-00-0		
5	GEAR, PINION, 31T, 1.90:1	1	031-2220-00-0		
-	GEAR, PINION, 27T, 2.33:1	1	031-2210-00-0		
-	GEAR, PINION, 23T, 2.91:1	1	031-2190-00-0		
6	SPACER, GEARBOX, BORG	1	159-2250-00-0 ML		
7	ROLLER BEARING (SKF RN307ECP)	1	250-8307-00-0		
8	RETAINING RING	1	077-1370-05-0		
9	O-RING, Ø34.5 x 3.0	1	52634		
10	SPACER BEARING	1	048-00047-200		
11	CLAMP, BEARING	1	242-00054-200		
12	BONDED SEAL M8 SELFCECT	4	MS133/8		
13	SCREW, SS SKT HD CAP M8x25	4	MS164/25		
14	SEAL, OIL, Ø50 SHAFT	1	296-00015		
15	RETAINING RING	2	277-0090-00-0 ML		
16	INPUT SHAFT	1	037-00017-200		
17	308J BEARING (1304-405)	2	250-0308-32-0		
18	GEAR, 59T, 1.90:1	1	031-2290-00-0		
	GEAR, 63T, 2.33:1	1	031-2280-00-0		
	GEAR, 67T, 2.91:1	1	031-2260-00-0		
19	SEAL, OIL 90MM O/D 40MM I/D	1	296-2920-00-0		
20	ENDCAP 90X10EC	1	217-1300-01-0		

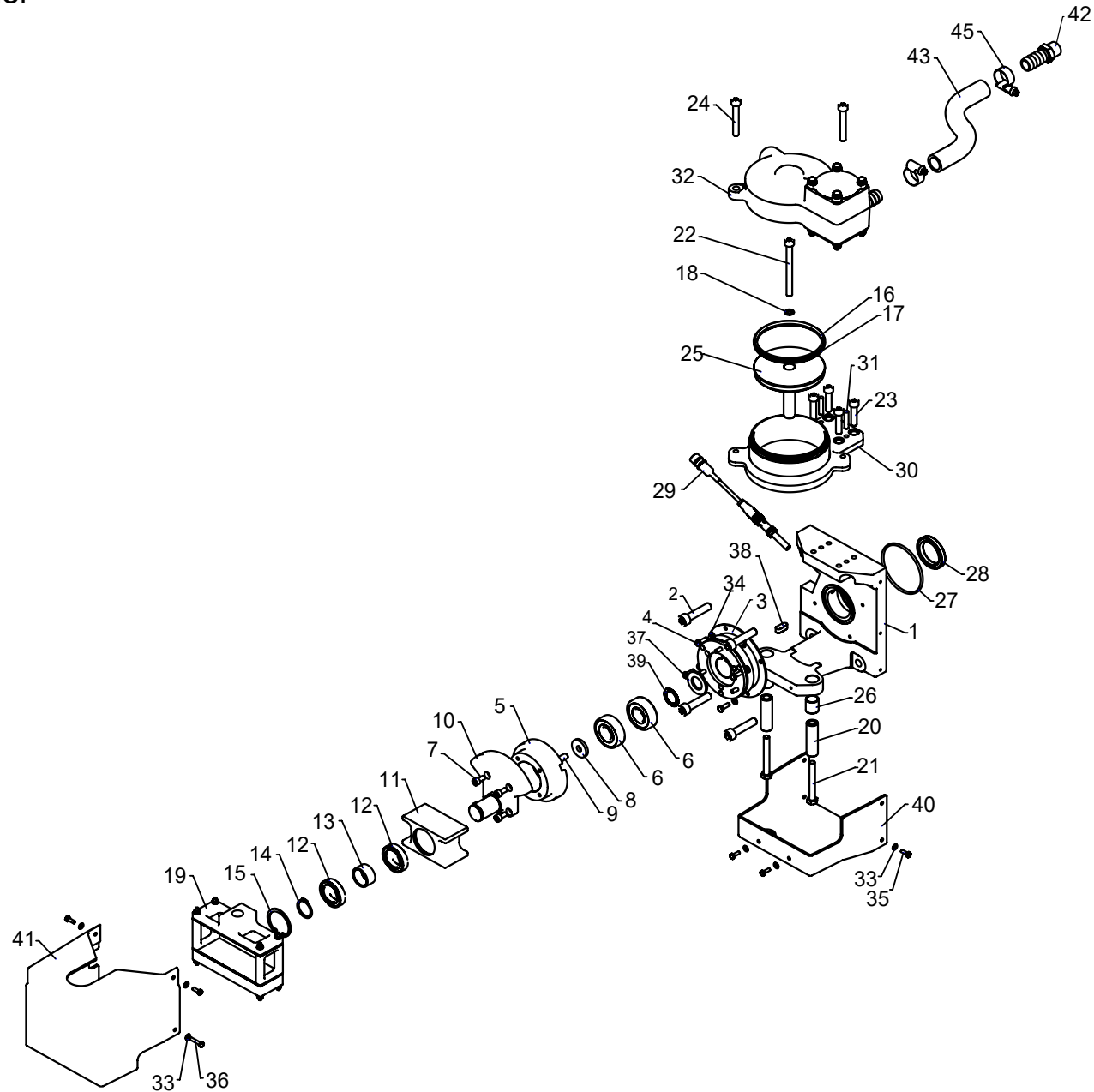
KP1 and KP2 - Gearbox Cooling Pipes - for pump with volute up, gearbox down position



KP1 and KP2 - Gearbox Cooling Pipes - for pump with volute up, gearbox down position

Item	Description	Quantity	Aluminium	Gunmetal	Notes
1	COVER, DRIVE UNIT, BORG	1	044-2100-00-0		
2	GASKET, DRIVE UNIT, BORG	1	046-1940-00-0		
3	SCREW, HEX HD M8x25	14	MS05/25		
4	EQUAL TEE	1	65572/001		
5	ELBOW R½”(M) TO G½”(F)	1	59185		
6	VENT ½” BSP	1	044-0311-00-0		
7	INT HEX HD PLUG ½” BSPT	5	60098		
8	INT HEX HD PLUG 3/8” BSPT	2	60098/01		
9	PLUG, MAGNETIC DRAIN, ½ BSP	1	082-30400-607		
10	SIGHT GLASS, ½ BSPT	1	082-10402-602		
11	ADAPTOR R½ TO Ø10 TUBE BORED	1	082-10401-702		
12	TUBE, GEARBOX COOLING SWP	1	007-00114-000		
13	ADAPTOR R3/4 TO Ø10MM PIPE	1	007-00115-000		
14	O-RING, Ø9.6 X 2.4	1	55561		
15	STRAIGHT ADAPTOR PUSH-IN 10-3/8	2	59082/10		
16	EQUAL ELBOW PUSH-IN 10	2	59313/01		
17	NYLON TUBE - DIA 10MM	0.24	55038MA		
18	NYLON TUBE - DIA 10MM	0.365	55038MA		

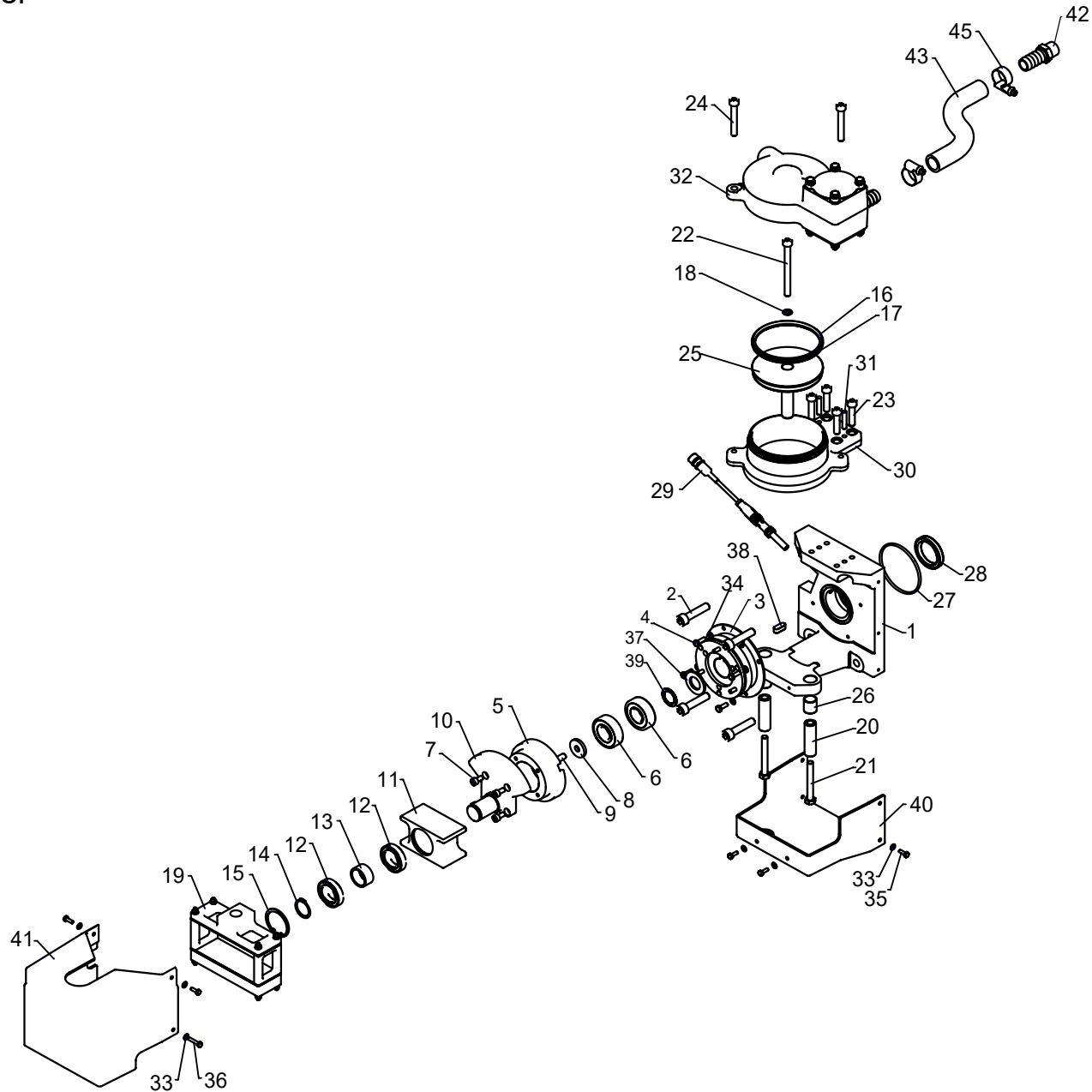
KP1 and KP2 - Piston Primer



KP1 and KP2 - Piston Primer

Item	Description	Quantity	Aluminium	Gunmetal	Notes
1	BRACKET, PRIMER, MACHINING	1	019-01142-000		
2	SCREW, SS SKT HD CAP M10x45	4	MS165/45		
3	CLUTCH, PISTON PRIMER	1	060-00010		
4	SCREW, HEX HD M5x14	4	MS03/14		
5	HOUSING, BEARING, PRIMER, MC	1	062-00015-001		
6	BEARING, ANGULAR CONTACT	2	250-01003		
7	SCREW, SS SKT HD CAP M6x12	4	MS163/12		
8	WASHER, CLUTCH BEARING	1	297-90002		
9	SCREW, HEX HD M8x25	1	MS05/25		
10	ECCENTRIC, PRIMER, MC	1	037-00021-201		
11	BEARING BLOCK, SLIDER, MC	1	062-00014-001		
12	BEARING, BALL, 25 BORE	2	250-00011		
13	SPACER, BEARING, PRIMER	1	159-00042		
14	CIRCLIP, EXTERNAL, Ø25	1	277-00025-001		
15	CIRCLIP, INTERNAL, Ø42	1	277-00042-000		
16	O-RING Ø88.5 x 3.53	1	65134		
17	PISTON WATER SEAL	1	65119		
18	BONDED SEAL M8 SELF CENT	1	MS133/8		
19	PRIMER, SLIDER BOX	1	503-00015-000		
20	GUIDE, PRIMER	2	037-00020-001		
21	BOLT, HEX HD M8x65	2	MS17/65		
22	SCREW, SS SKT HD CAP M8x90	1	MS164/90		
23	SCREW, SS SKT HD CAP M8x35	4	MS164/35		
24	SCREW, SS SKT HD CAP M8x55	2	MS164/55		
25	PISTON, PRIMER	1	073-00012-200		
26	DU BEARING	2	56949/007		
27	O-RING, Ø74.5 x 3.0	1	53866		

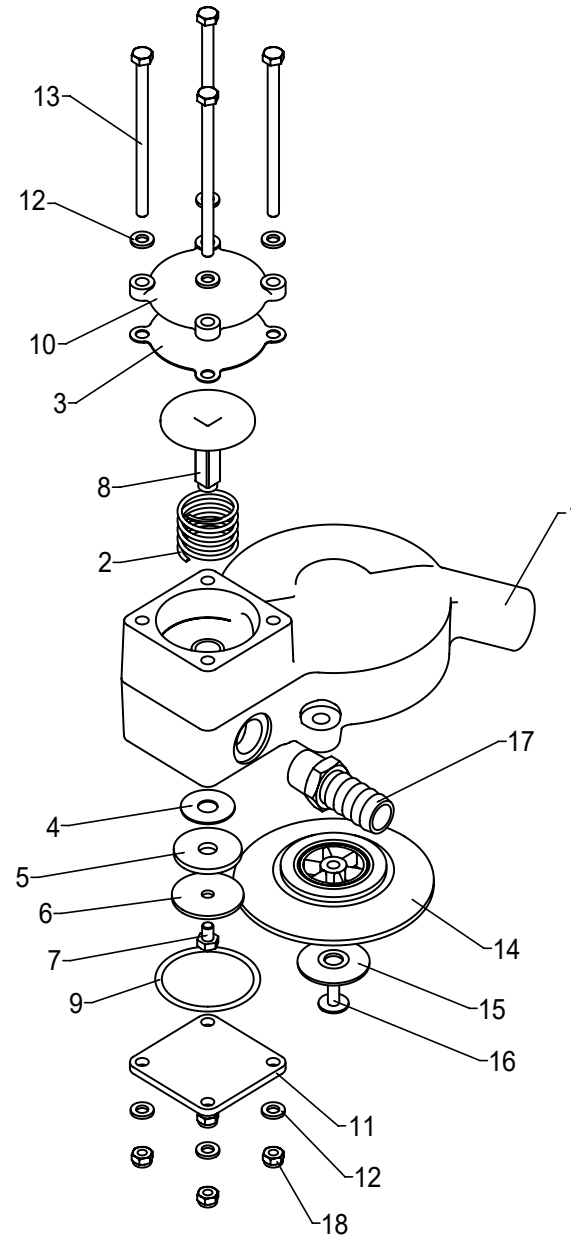
KP1 and KP2 - Piston Primer



KP1 and KP2 - Piston Primer

Item	Description	Quantity	Aluminium	Gunmetal	Notes
28	SEAL, OIL, Ø35 SHAFT	1	296-00012		
29	TACHO SENDER UNIT	1	60015/001		
30	PRIMER, PISTON ASSEMBLY	1	503-00013-001		
31	DOWEL, Ø6 x 30LG	2	MS76/42		
32	PRIMER, VALVE ASSEMBLY	1	503-00013-000		
33	WASHER, STD HVY M4	8	MS25/4		
34	WASHER, STD HVY M5	4	MS25/6		
35	SCREW, HEX HD M4x10	8	MS02/10		Changed from MS02/12
36	SCREW, HEX HD M4x20	2	MS02/20		
37	SPACER, PRIMER BEARING	1	159-00045-200		
38	KEY, RECT PAR'L 8x7x20	1	MS80/1		
39	SHIM, 28OD, 20ID, 0.1 THICK	5	048-00057-201		
40	COVER, LOWER, PISTON PRIMER	1	044-00039-001		
41	COVER, UPPER, PISTON PRIMER	1	044-00039-002		
42	HOSETAIL, ½" BSPT - ¾" HOSE	1	082-10500-802		
43	HOSE, DIA ¾	0.235	54737MA		
44	SPRING-PRIMER HOSE SUPPORT	1	57149/02		
45	HOSE CLIP, HEAVY RANGE 20-32	2	MS82/3		

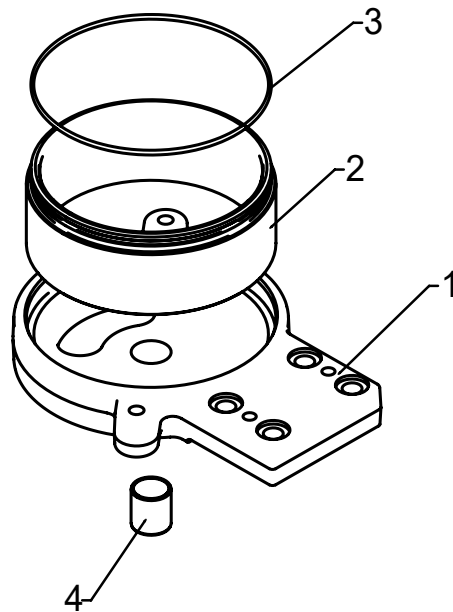
KP1 and KP2 - Primer Valve Assembly



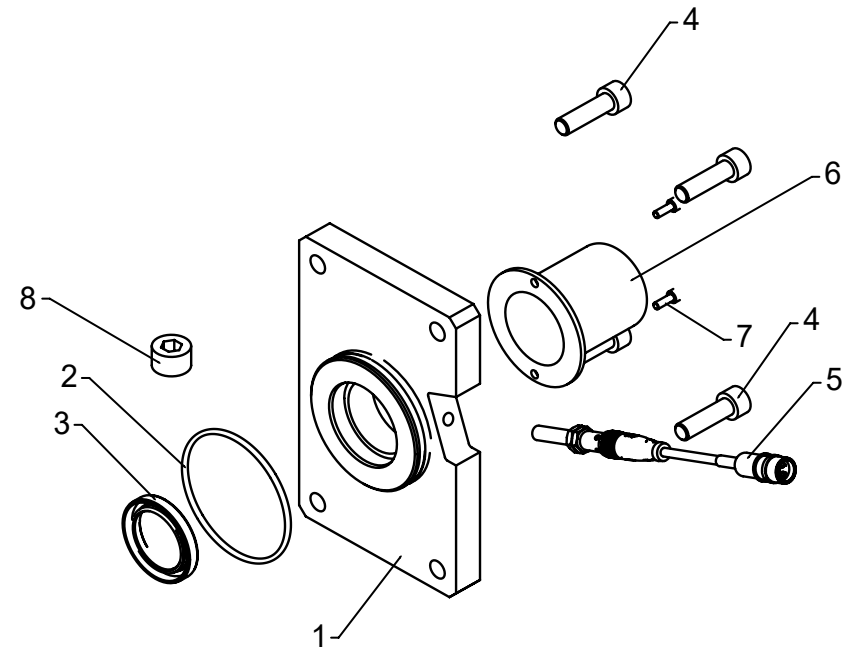
KP1 and KP2 - Primer Valve Assembly

Item	Description	Quantity	Aluminium	Gunmetal	Notes
1	PISTON PRIMER CAP, MACHINED	1	003-00011-000		
2	RIMING VALVE SPRING	1	57555		
3	DIAPHRAM - PRIMING VALVE	1	56123		
4	SEAL RETAIN.WASHER-PRIMING	1	55668		
5	SEAL WASHER-PRIMING VALVE	1	55669		
6	SEAL SUPPORT WASHER PRIMING	1	55670		
7	SCREW, SS HEX HD M6x8	1	MS104/8		
8	PISTON - PRIMING VALVE	1	65431/200		
9	O-RING, Ø49.6 x 2.4	1	53750		
10	COVER - PRIMING VALVE	1	56120		
11	PLATE, PRIMING VALVE	1	005-00025		
12	WASHER, STD HVY M6	8	MS25/7		
13	BOLT, HEX HD M6x95	4	MS16/95		
14	VALVE-OUTLET	1	65008/002		
15	VALVE-INLET	1	65009		
16	FLANGE BUT.HD SOC SCREW	1	65474		
17	HOSETAIL, ½" BSPT - ¾" HOSE	1	082-10500-802		
18	NUT, NYLOC M6	4	MS41/4		

KP1 and KP2 - Primer Piston Assembly



KP1 and KP2 - No Primer Fitted



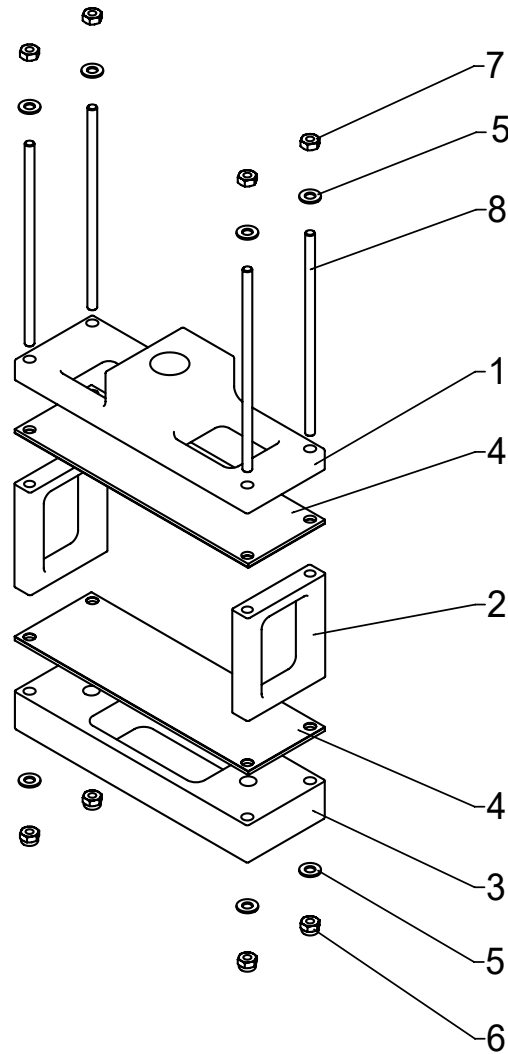
KP1 and KP2 - Primer Piston Assembly

Item	Description	Quantity	Aluminium	Gunmetal	Notes
1	SUPPORT, P PRIMER, MACHINING	1	003-00013-000		
2	SLEEVE, PRIMER	1	007-00074-200		
3	O-RING, Ø101.32 x 1.78	1	61097		
4	DU BEARING	1	56949/007		

KP1 and KP2 - No Primer Fitted

Item	Description	Quantity	Aluminium	Gunmetal	Notes
1	BRACKET, NO PRIMER	1	019-01142-002		
2	O-RING, Ø74.5 x 3.0	1	53866		
3	SEAL, OIL, Ø35 SHAFT	1	296-00012		
4	SCREW, SS SKT HD CAP M10x35	4	MS165/35		
5	TACHO SENDER UNIT	1	60015/001		
6	CAP, NO PRIMER	1	008-00038		
7	SCREW, SS SKT HD CAP M4x12	2	MS161/12		
8	INT HEX HD PLUG ½" BSP	1	60098		

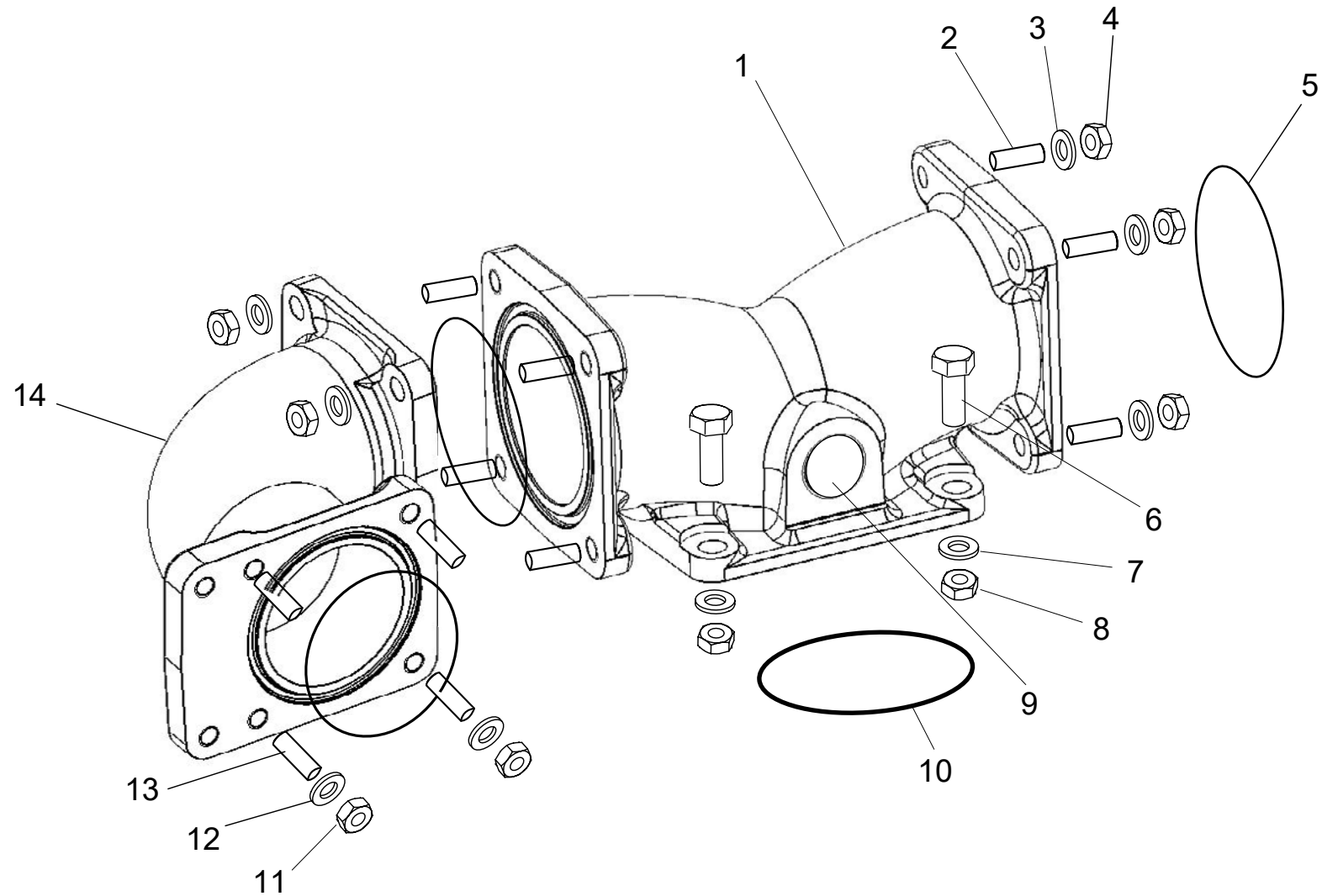
KP1 and KP2 - Primer Slider Box



KP1 and KP2 - Primer Slider Box

Item	Description	Quantity	Aluminium	Gunmetal	Notes
1	FRAME, TOP, SLIDER	1	019-01169-000		
2	FRAME, SIDE, SLIDER	2	019-01169-001		
3	FRAME, BASE, SLIDER	1	019-01169-002		
4	STRIP, DU BEARING	2	628-00034-000		
5	WASHER, SS STD HVY M4	8	MS125/4		
6	NUT, SS NYLOC M4	4	MS141/2		
7	NUT, SS FULL M4	4	MS135/5		
8	THREADED ROD, M4	4	628-00042		

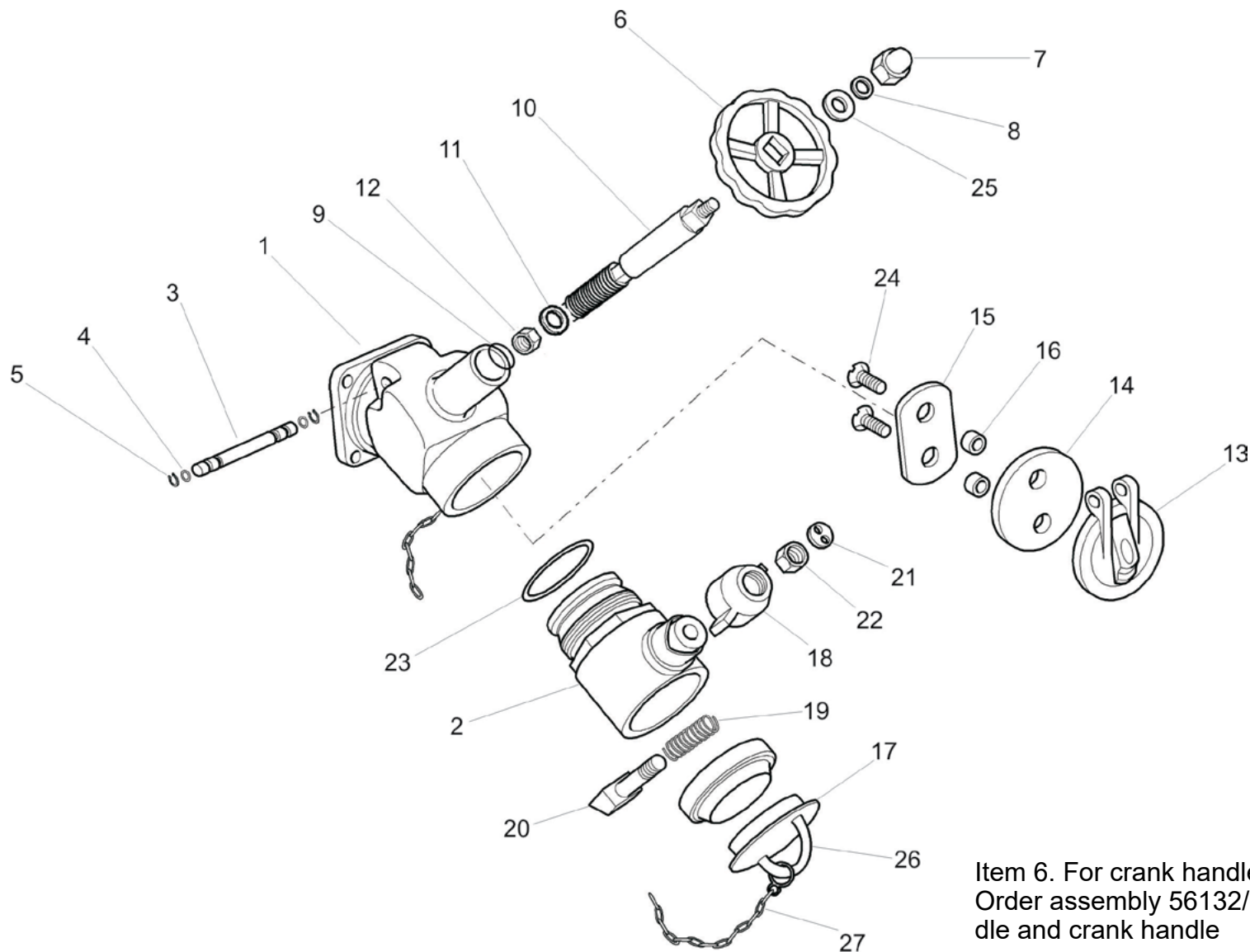
KP1 and KP2 - Discharge Manifold and Outriggers



KP1 and KP2 - Discharge Manifold and Outriggers

Item	Description	Quantity	Aluminium	Gunmetal	Notes
1	MANIFOLD, DISCHARGE	1	178-00338-001	178-00338-101	
2	STUD, OUTRIGGER TO MANIFOLD	8	MS49/25		
3	WASHER, OUTRIGGER TO MANIFOLD	8	MS25/10		
4	NUT, OUTRIGGER TO MANIFOLD	8	MS35/9		
5	O RING, OUTRIGGER	4	50092		
6	BOLT, MANIFOLD TO VOLUTE	4	MS18/20		
7	WASHER, MANIFOLD TO VOLUTE	4	MS25/10		
8	NUT, MANIFOLD TO VOLUTE	4	MS35/9		
9	PLUG	1	60098/04		
10	O RING, MANIFOLD TO VOLUTE	1	THM11034		
11	NUT, OUTRIGGER TO VALVE	8	MS35/9		
12	WASHER, OUTRIGGER TO VALVE	8	MS25/10		
13	STUD, OUTRIGGER TO VALVE	8	MS49/25		
14	OUTRIGGER	2	65039/000	65039/100	

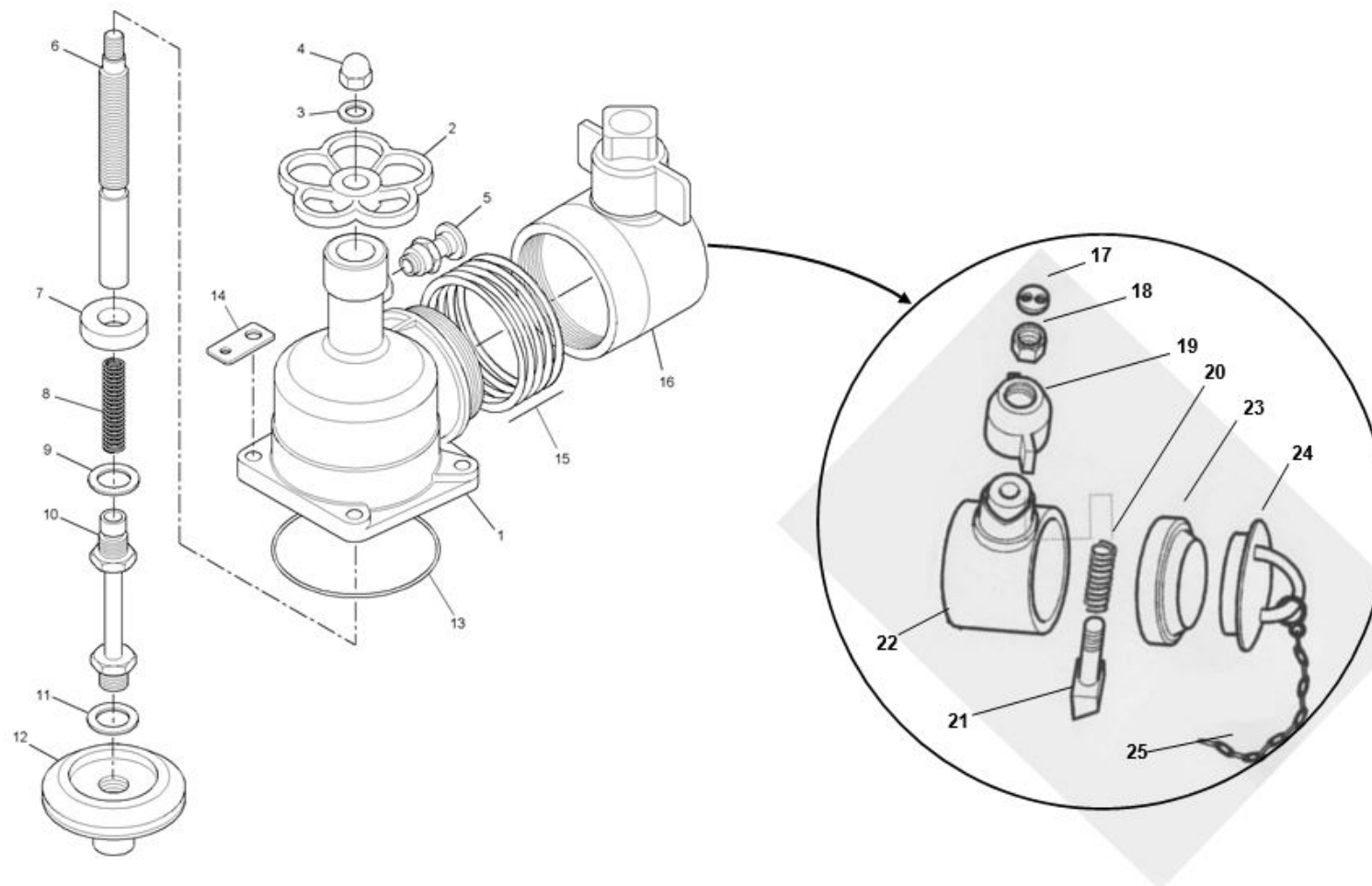
KP1 and KP2 - Delivery Valve - Standard UK Type



KP1 and KP2 - Delivery Valve - Standard UK Type

Item	Description	Quantity	Aluminium	Gunmetal	Notes
	Complete assembly	-	56544/01	56545/01	
1	Main Body	1	N/A	N/A	Valve body and connector
2	2.5" I/C Body	1	N/A	N/A	are not available separately
3	Pivot Pin	1	56979/03	56979/03	If required, order complete
4	'O' Ring	2	56979/02	56979/02	valve – see top of list
5	Circlip	2	56979/01	56979/01	
6	Screw Down Handle	1	56979/22	56979/22	Crank handle - order 56132/03
7	Domed Nut	1	56979/09	56979/09	
8	Spring Washer	1	56979/08	56979/08	
9	'O' Ring	1	56979/10	56979/10	
10	Screw Down Spindle	1	56979/16	56979/16	
11	Washer	1	56979/30	56979/30	
12	Nyloc nut	1	MS141/7	MS141/7	
13	Non Return Flap	1	56979/18	56979/19	
14	Non Return Flap Washer	1	56979/07	56979/07	
15	Retaining Washer	1	56979/06	56979/20	
16	Washer Insert	2	56979/05	56979/05	
17	Instantaneous Seal	1	FWP1003/A	FWP1003/A	
18	Twist Release Knob	1	56979/26	56979/27	
19	Release Spring	1	56979/14	56979/14	
20	Release Plunger	1	56979/13	56979/21	
21	Knob Closure bung	1	56979/31	56979/25	
22	Nyloc Nut	1	56979/32	MS141/5	
23	'O' Ring	1	56979/15	56979/15	
24	Countersunk Screw	2	56979/04	56979/04	
25	Plain Washer	1	MS125/9	MS125/9	
26	Blank cap	1	2415	2415	

KP1 and KP2 - Delivery Valve - Continental UK Type

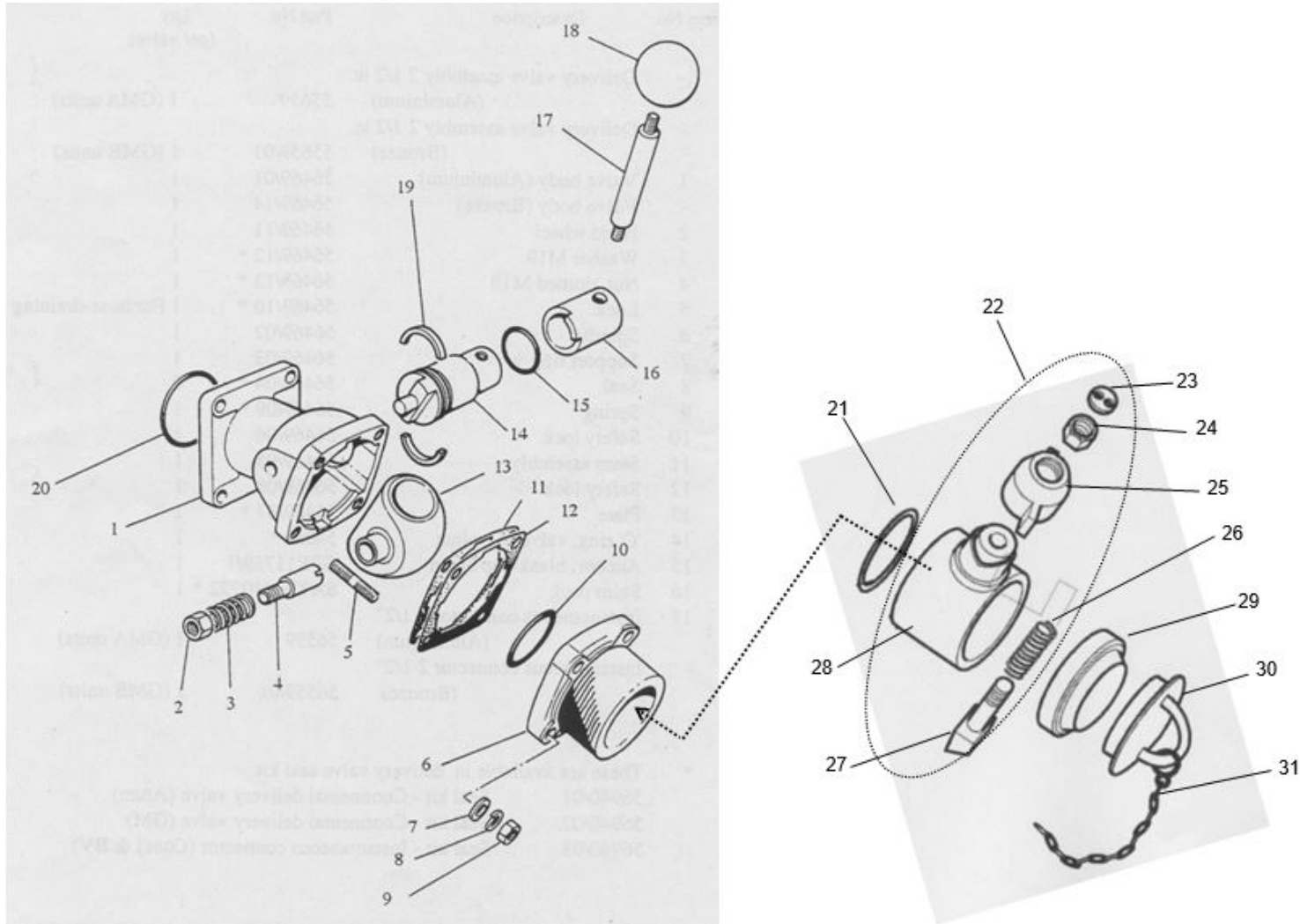


Item 2. For crank handle
Order assembly 56132 - includes handle
and crank handle

KP1 and KP2 - Delivery Valve - Continental Type

Item	Description	Quantity	Aluminium	Gunmetal	Notes
	Continental type valve, 2.5in instantaneous connector, complete		55662	55920	
1	Valve body	1	56469/01	56469/14	
2	Hand wheel	1	56469/11	56469/11	Crank handle - order 56132
3	Washer M10	1	56469/12	56469/12	
4	Nut, domed M10	1	56469/13	56469/13	
5	Lock - Kit Part 1	1	56469/10	56469/10	
6	Spindle	1	56469/02	56469/02	
7	Spindle sleeve, c/w seals - Kit Part 1	1	56469/03	56469/16	
8	Spring - Kit Part 1	1	56469/09	56469/09	
9	Safety lock	1	56469/06	56469/06	
10	Stem assembly	1	56469/05	56469/05	
11	Safety lock - Kit Part 1	1	56469/08	56469/08	
12	Plate - Kit Part 1	1	56469/07	56469/15	
13	O ring - Kit Part 1	1	61142	61142	
14	Anchor, blank cap chain - Only fitted for Storz type connectors	1	GPR11759	GPR11759	
15	Shim pack - Kit Part 2	1	SATHM10722	SATHM10722	
16	Instantaneous connector, complete assembly, items 17-23	1	56559	56559/01	
17	Knob closure disc	1	56979/24	56979/25	
18	Nyloc nut	1	56979/11	MS141/5	
19	Twist release knob	1	56979/26	56879/27	
20	Release spring - Kit Part 2	1	56979/14	56979/14	
21	Release plunger - Kit Part 2	1	56979/13	56979/21	
22	2.5in Instantaneous connector body	1	56979/28	56979/23	
23	Seal - Kit Part 2	1	FWP1003/A	FWP1003/A	
24	Blank cap, rubber	1	2415	2415	
25	Chain, 9in long	1	TH4749	TH4749	
	Items 24, 25 supplied as Blank cap assembly	1	THL119/6	TH119/6	
-	Adaptor elbow – between manifold and valve	1	60069	60069/100	
	Kit part 1 = Part also supplied in seal kit for valve body	1	56940/01	56940/02	
	Kit part 2 = Part also supplied in seal kit for instant. connector	1	56940/03	56940/03	

KP1 and KP2 - Delivery Valve - Ball Type



KP1 and KP2 - Delivery Valve - Ball Valve

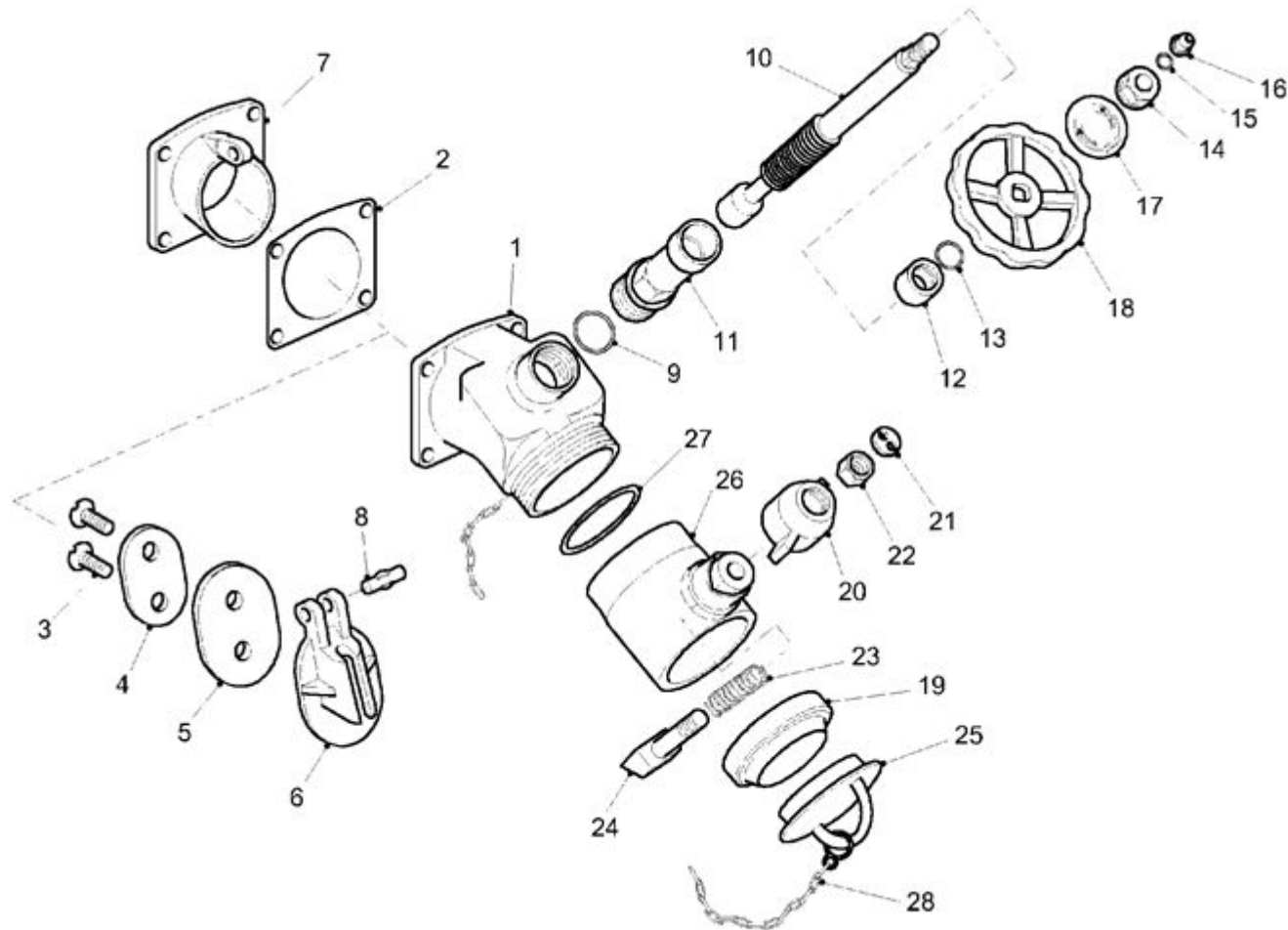
Item	Description	Quantity	Aluminium	Gunmetal	Notes
	Ball valve, LH, 2.5" instantaneous connector, complete valve		TH137	TH153/100	
	Ball valve, RH, 2.5" instantaneous connector, complete valve		TH138	TH154/100	
1	Body, delivery valve, LH	1	TH4200/A	TH4200/B	
-	Body, delivery valve, RH	1	TH4201/A	TH4201/B	
2	Nut, 5/16in UNF	1	S214/4	S214/4	
3	Spring, ball valve - Kit part 1	1	TH11205	TH11205	
4	Pivot ball	1	TH11194	TH11194	
5	Stud, 3/8in., valve cap to body	4	S165/8	S165/8	
6	Valve cap	1	TH3331/1A	TH3331/1B	
7	Washer 3/8in.	4	S21/5	S21/5	
8	Spring washer 3/8in.	4	S20/5	S20/5	
9	Nut 3/8in UNF	4	S214/5	S214/5	
10	O ring, valve seating - Kit part 1	1	THG3419	THG3419	
11	Gasket, 0.010in. thick - Kit part 1	1	TH11197	TH11197	
12	Gasket, 0.003in. thick - Kit part 1	1	TH11197/1	TH11197/1	
13	Ball valve	1	TH2258	TH2255	
14	Valve stem	1	THG3469/1	THG3469/1	
15	O ring, valve stem - Kit part 1	1	THG4086	THG4086	
16	Handle boss, LH	1	TH5372/3A	TH5372/3B	
-	Handle boss, RH	1	TH5372/1A	TH5372/1B	
17	Handle	1	TH5370/2	TH5370/2	
18	Knob, handle	1	TH1835/1A	TH1835/1A	
19	Collar, valve to stem (pair of half collars) - Kit part 1	1	TH11190	TH11190	
20	O ring, body to delivery manifold - Kit part 1	1	TH1511/A	TH1511/A	
21	Shim pack	1	SATHM10722	SATHM10722	
22	Instantaneous connector, complete assembly, includes items 22-	1	56559	56559/01	
23	Knob closure disc	1	56979/24	56979/25	
24	Nyloc nut	1	56979/11	MS141/5	

This exploded view diagram illustrates the assembly of a mechanical component, likely a valve or actuator. The parts are numbered 1 through 31. The main body (1) is shown with various internal components like the piston (14) and valve (13). The diagram includes a detailed view of the assembly sequence for the top section, showing the installation of the piston (14), valve (13), and the final assembly of the top cover (22) with its associated hardware (23, 24, 25, 26, 27, 28, 29, 30, 31).

KP1 and KP2 - Delivery Valve - Ball Valve

Item	Description	Quantity	Aluminium	Gunmetal	Notes
26	Release spring - Kit Part 2	1	56979/14	56979/14	
27	Release plunger	1	56979/13	56979/21	
28	2.5in Instantaneous connector body	1	56979/28	56979/23	
29	Seal - Kit Part 2	1	FWP1003/A	FWP1003/A	
30	Blank cap, rubber	1	2415	2415	
31	Chain, 9in long	1	TH4749	TH4749	
	Items 30, 31 supplied as Blank cap assembly	1	THL119/6	TH119/6	
	Kit part 1 = Part also supplied in Seal kit for valve body	1	56940/05	56940/05	
	Kit part 2 = Part also supplied in Seal kit for Instant. connector	1	56940/03	56940/03	

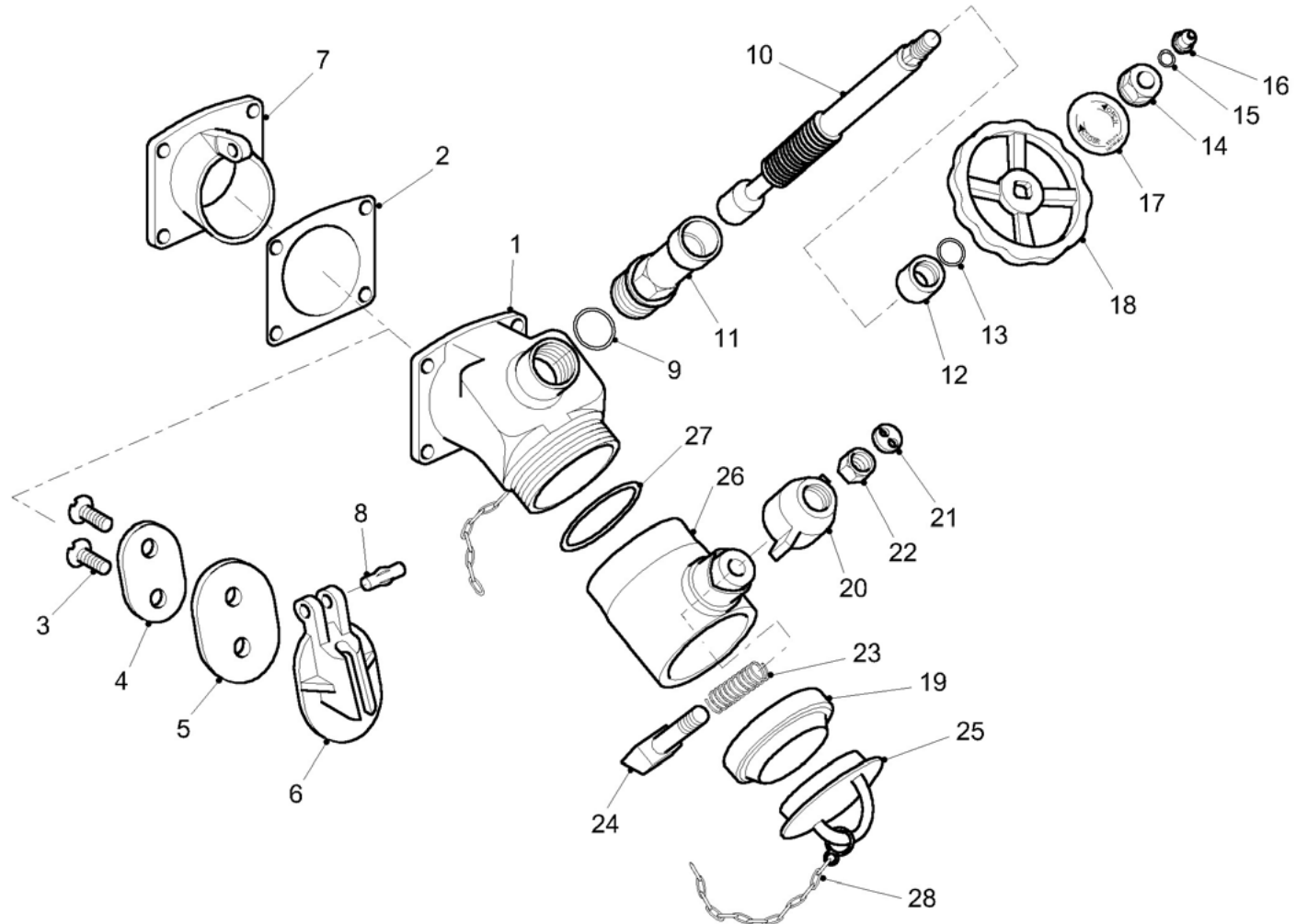
KP1 and KP2 - Delivery Valve - Dual Flow



KP1 and KP2 - Delivery Valve - Dual Flow

Item	Description	Quantity	Aluminium	Gunmetal	Notes
1	Valve body	1	THM10721/A	THM10721/B	
2	Joint washer	1	TH2772	TH2772	
3	Screws, countersunk	2	MS172/61	MS172/61	
4	Plate	1	THM10580	THM10580	
5	Sealing washer	1	THM10453	THM10453	
6	Valve flap	1	THM10578	THM10578/B	
7	Valve seat	1	THM10726/A	THM10726/B	
8	Hinge pin	1	TH2748	TH2748	
9	Dowty seal	1	UFP2303/11	UFP2303/11	
10	Valve rod	1	THM10451/1	THM10451/1	
11	Valve stem	1	FWP1000/1	THM10717/B	
12	Bush	1	THM10718	THM10718	
13	O ring	1	FWP8217	FWP8217	
14	Lock nut, seal	1	THM10528/1	THM10528/1	
15	Sealing washer	1	THM10597	THM10597	
16	Grease nipple	1	THM10596	THM10596	
17	Instruction plate	1	THM10600/A	THM10600/A	
18	Handwheel	1	FWP2009	FWP2009	
19	Instantaneous seal	1	FWP1003/A	FWP1003/A	
20	Twist release knob	1	56979/26	56979/26	
21	Closure disc	1	56979/24	56979/24	
22	Nyloc nut	1	56979/11	56979/11	
23	Release spring	1	56979/14	56979/14	
24	Release plunger	1	56979/13	56979/13	
25	Blank cap	1	2415	2415	
26	2.5" Instantaneous connector body	1	56979/28	56979/28	

KP1 and KP2 - Delivery Valve - Dual Flow



KP1 and KP2 - Delivery Valve - Dual Flow

Item	Description	Quantity	Aluminium	Gunmetal	Notes
27	Shim pack, contains items listed below -	1	SATHM10722	SATHM10722	
-	Shim .002" thick polyester	1	THM10722	THM10722	
-	Shim .005" thick polyester	1	THM10722/1	THM10722/1	
-	Shim .010" thick polyester	1	THM10722/2	THM10722/2	
-	Shim .030" thick polyester	1	THM10722/3	THM10722/3	
-	Shim .060" thick polyester	1	THM10722/4	THM10722/4	