Parts list Spirit

Document ID: Sup-PLR-001-Eng | Date of issue: April 13, 2015 | Revision date: October 27, 2026

Contents

Ordering information ..... Fout! Bladwijzer niet gedefinieerd.
Parts order example **5**
Steam boiler **6**
LHS of steam boiler: overheat protection, anti-vacuum valve and temperature sensor 7
Steam boiler evolution 7
Inlet to manifold to flow meter, mix-block and boiler **8**
Duette 2013 9
Duette 2013 pump per group 10
Triplette 2013 11
Triplette 2013 pump per group 12
Spatial view Duette 2022 inlet to HX-injection lines 13
Spatial view Triplette 2022 inlet to HX-injection lines 14
Water inlet to manifold 2-pump machine 2022 15
Coffee-water inlet to manifold pump-per-group 2022 16
Manifold to HX-injection lines 2022 17
Mixblock and boiler to hot water spout 2022 18
Flow meter 19
Discharge **20**
Duette version 0 21
Triplette version 0 22
Discharge pipe assembly versions 2 and 4 23
Pressure safety valve 2022 24
Coffee boiler **25**
Coffee boiler fill: Duette 26
Coffee boiler fill: Triplette 27
Components INSIDE machine body; Duette and Triplette 28
Components OUTSIDE machine body; Duette and Triplette 29
Group head parts 2020 30
Group valve mounting plate evolution 31
Solenoid flange valve evolution and use of flat-jets **32**
2/3 flange valve-versions 32
2/2 flange valve-versions 33
When changing from Parker to ODE: adjust plug to fit the ODE solenoid coil 33
Flow restriction: flat-jets and in-line jets **34**
Machine control; Duette and Triplette **35**
Pt100 temperature sensors 36
Evolution of handle versions in Spirit 37
Steam handle, mechanical version (# 000-137) 38
Steam handle, electrical version 39
Steam handle 2020 40
Bastone group handle, version 1 42
Bastone group handle, version 2 43
Bastone group handle, version 3 44
Hot water handle, versions 1 and 2 45
Electrical components 1 46
Electrical components 2 47
Gicar controller and cables 2020 48
Steam **49**
Steam solenoid valve 50
Zappo steam wand (cool touch) 51
Hot water **52**
Pressure gauges **53**
Heating elements with fixtures **54**
Mix-block **55**
Manifolds **56**
Duette with flat-jets 56
Triplette with flat-jets 57
Previous versions 58
Bodywork **62**
Upper cup tray and glass-look trim 62
Glass-look mounting material 63

Lower cup tray and shot timer housing 64
Rear light box..... 64
Drip tray, grill, milk-can support and mounting materials 65
Exterior panels..... 65
Machine feet 65
Pump, portafilter, Idro-matic..... 66

nip	part in list is not shown in picture above.
~~Parts number~~	no longer available (and mostly did not get a new parts number).
KNNNNN-VV	NNNNN denotes the part, the -VV is used for version updates, -00 identifying the version that was originally used. The same number with extension -01 would be 1-on-1 replacement of the original part. A table on the last pages shows the correlation between new and old parts-numbers.

Ordering information

We do not sell parts to individuals (B2C), only to parties that have a business account (B2B). See https://keesvanderwesten.com/where for a list of partners that may help private owners to get the parts they need when repairing their own machine.

When ordering spare parts directly from Kees van der Westen we ask you to send your parts list to spareparts@keesvanderwesten.com as comprehensive as possible to minimise the chance of mistakes in the delivered parts. See next page for an example. Include the machine model, type and machine number if the parts order concerns a specific machine, also include the parts-list version you consulted. Your list should state amount, parts number and short description, see the example on the next page.

You can download the different parts lists:

Spirit:	http://www.keesvanderwesten.com/assets/spirit-parts-list.pdf
Mirage:	http://www.keesvanderwesten.com/assets/mirage-parts-list.pdf
Speedster:	http://www.keesvanderwesten.com/assets/speedster-parts-list.pdf
	or https://www.keesvanderwesten.com/assets/speedster-2020-parts-list.pdf
Slim Jim:	https://www.keesvanderwesten.com/assets/slimjim-parts-list.pdf
	and https://www.keesvanderwesten.com/assets/slimjim-idrocompresso-parts-list.pdf
Spiritello	https://keesvanderwesten.com/assets/spiritello-parts-list.pdf

If the parts list is not conclusive, seek contact with support@keesvanderwesten.com before ordering.

One recipient please

When ordering parts or putting forward a question about parts, please address only one recipient on our side. When more employees receive the same email/request it is possible that all or none of the recipients feel responsible to take action.

Receive parts

In order to receive your spare parts order we need your full details, see example on next page:

- Billing address
- Delivery address
- Contact person
- Telephone number(s)
- E-mail address

As we do not know the final UPS shipping costs upon sending your order, we will bill you after these costs are known to us.
So normally you will receive the goods first and the invoice afterwards.

Payment

As for the payment of your order. Payment can be settled with PayPal or a bank wire transfer. We do not accept direct credit card transactions.
If you have a PayPal account set up it should be settled rather quickly. We could send you a payment request which takes care of it almost instantly.
A bank wire transfer is also possible, but we do not know if your bank charges additional costs and/or fees.
Please let us know which option you prefer. If you would like to pay with PayPal, we kindly ask you to inform us which email address we may send our payment request to.

Parts order example

Send your list to: spareparts@keesvanderwesten.com

Machine model	Spirit	parts order
Machine type	Triplette Bastone	
Machine number	31230215	
Parts list	July 13, 2021	

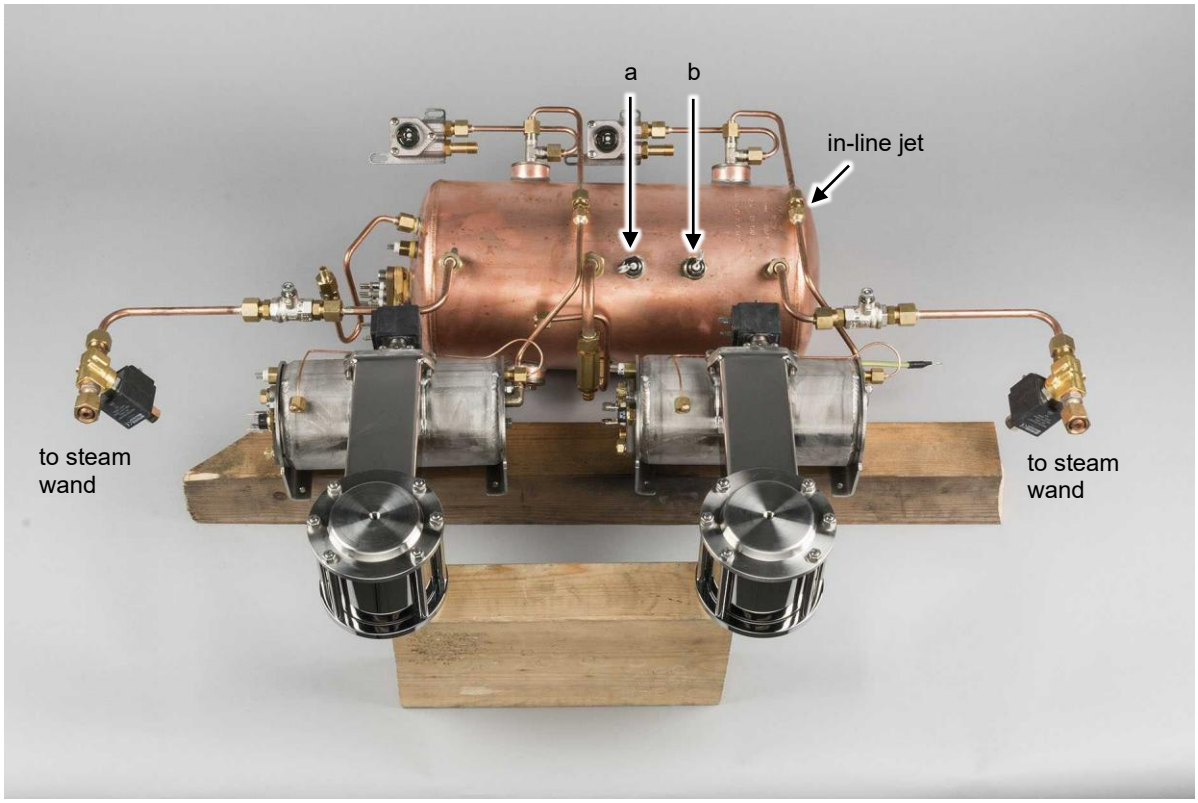
amount	part number	short description
2	K00758-00	brass anti-vacuum valve; 1/4M - hose pillar 6mm
1	K00811-00	SSR NO; 3-32Vdc control voltage (Comus)
2	K00782-00	ball valve 1/4F-1/4F; nickel plated brass, butterfly handle
…	…	

Customer number	……. (if known)
Contact person	Coffee Lover
Billing address	Espressostreet 30 1234 Arabica COLUMBIA
Delivery address	Ristrettolane 15-ML 1234 Arabica COLUMBIA
Telephone	+12 345 678 9012
e-mail	c.lover@gmail.com

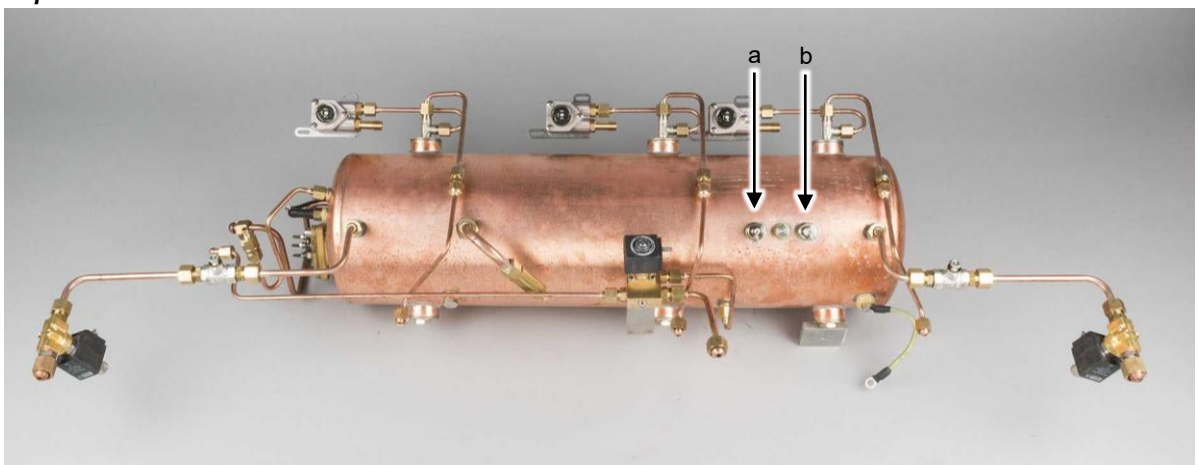
Remark: When ordering numerous parts for older machines it is wise to explain here what you like to establish. It helps us to identify possible mistakes in the parts-order such that we will seek contact to clarify the order before picking and shipping.

Steam boiler

Duette overview

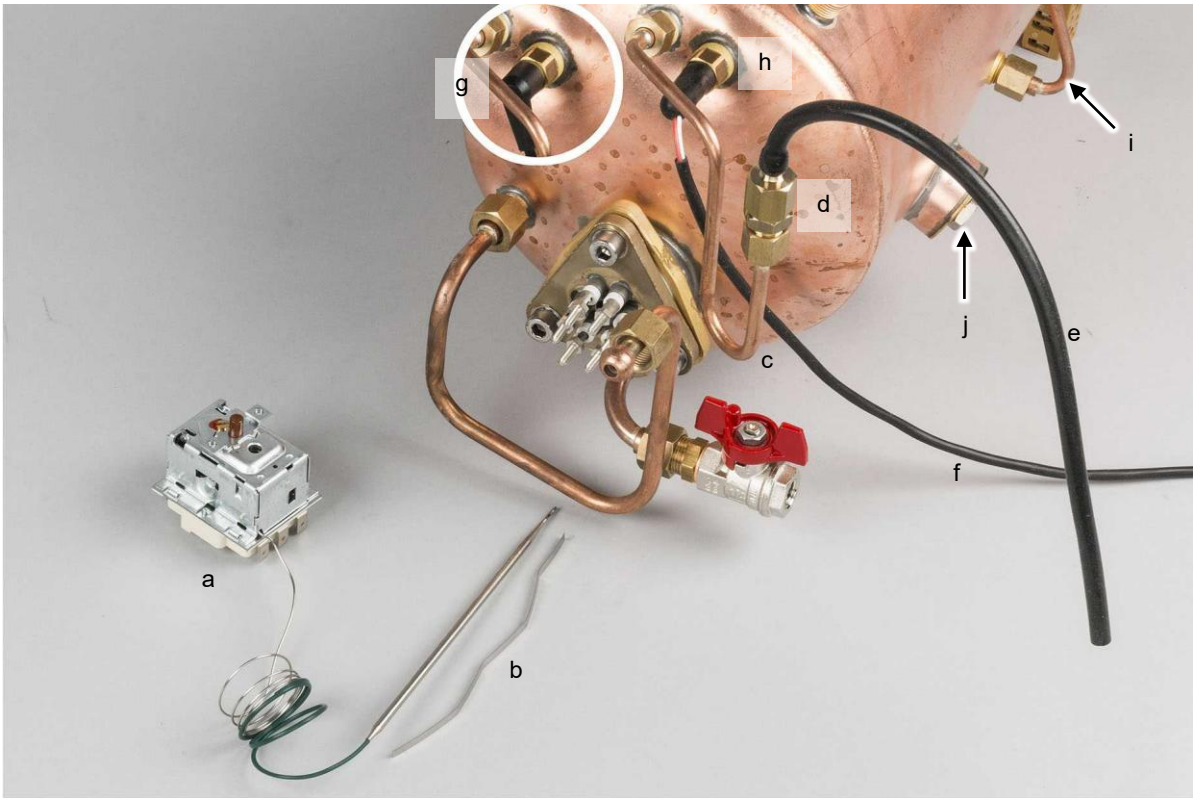


Triplette overview



	Part number	Short description	remark
a	K00802-00	level probe 125mm; s.st., faston	
b	K00653-00	level probe 150mm; s.st., faston	

LHS of steam boiler: overheat protection, anti-vacuum valve and temperature sensor
Duette and Triplette



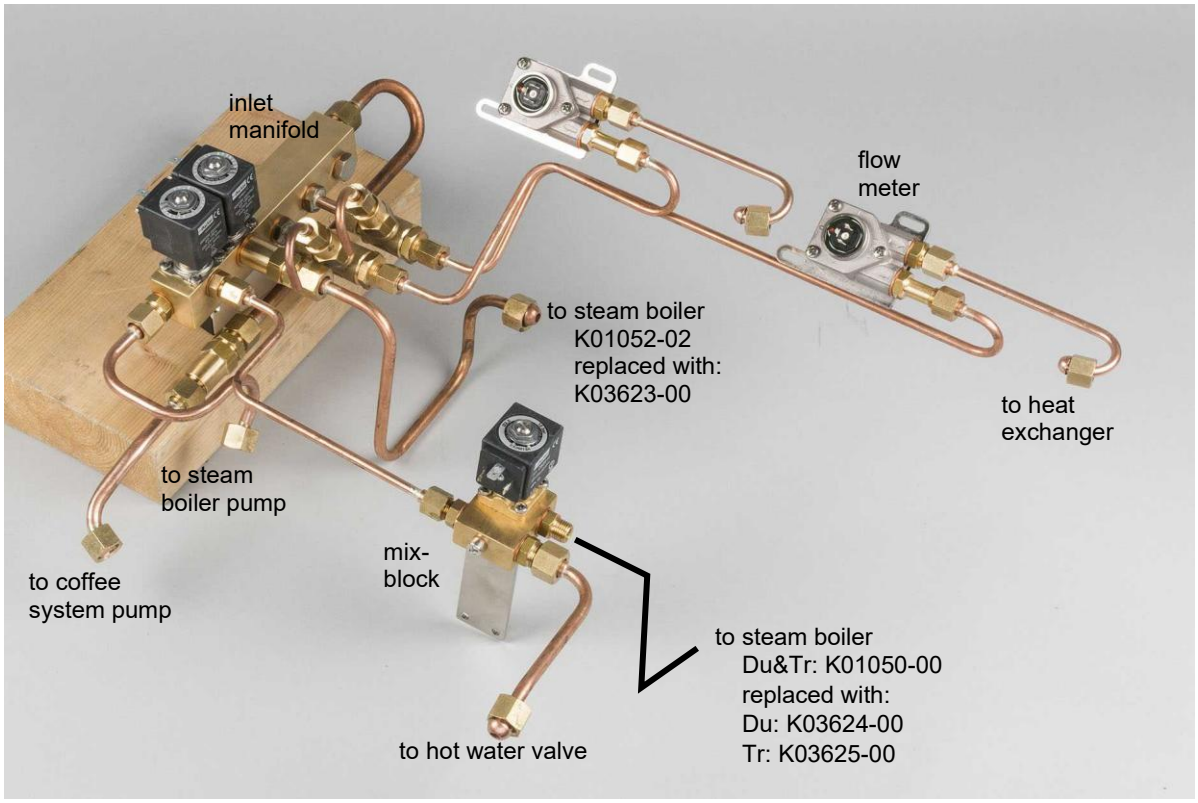
	Part number	Short description	remark
a	K00659-00	3-phase overheat protection switch; manual reset, 155°C	
b	K00668-00	temperature probe clamping strip; s.st., 138x4x0.3mm	use instead of heat conducting paste
c	K01069-00	6mm copper tube; steam boiler ↔ anti-vacuum valve (Spirit)	
d	K00758-00	anti-vacuum valve 1/4M - hose pillar; brass	
e	K01077-00	hose 4x8mm; black silicone, 28cm long	
f	~~MR-E1005-KR~~	temperature sensor cable; with fastons, no longer available	see page 36
	C-HK-G	heat resistant cap, 9.5x25.4mm (for unused faston connectors)	
g	~~MR-E1005-KH~~	temperature sensor cable; 575mm, angular moulded plug	
h	~~K00810-00~~	temperature sensor Pt100 1/8M; 2-wire, 27mm (Tasseron)	
i	K01050-00	6mm copper tube; steam boiler ↔ mix-block (Spirit)	up to rev. 18
nip	K03624-00	6mm copper tube; steam boiler - mix-block (Spirit duette)	rev. 19 - .. see page 18
	K03625-00	6mm copper tube; steam boiler - mix-block (Spirit Triplette)	
	K03626-00	6mm copper tube; injection tube steam boiler (Spirit)	
j	K00784-00	ring 3/8”; copper	seals bottom of heat exchanger
	K01073-00	plug 3/8”, M; nickel plated brass	

Steam boiler evolution

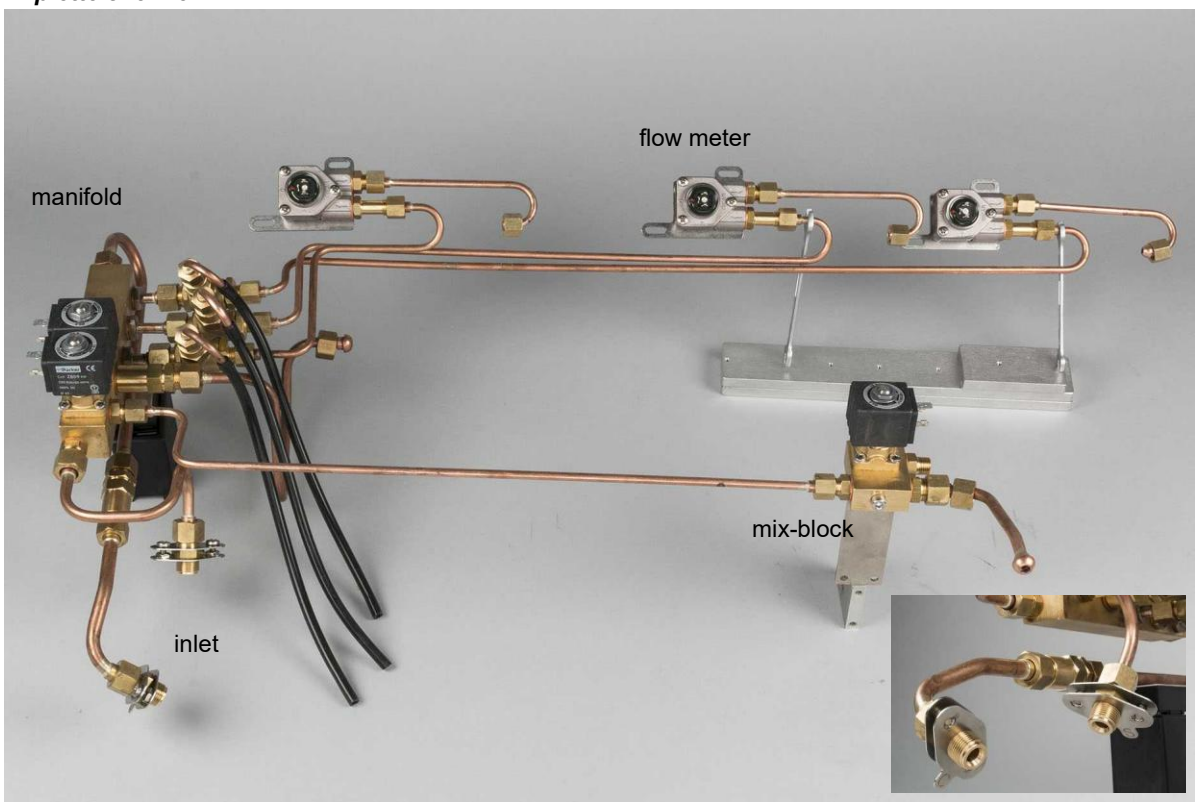
Frames	remark	Duette boiler part no.	Triplette boiler part no.
Rev. .. - 18		~~R-B6001-D~~ ~~K01020-02~~	~~R-B6001-T~~ ~~K01023-02~~
Rev. 19? - ..	new fill & HW connection	K01020-03	K01023-03

Inlet to manifold to flow meter, mix-block and boiler

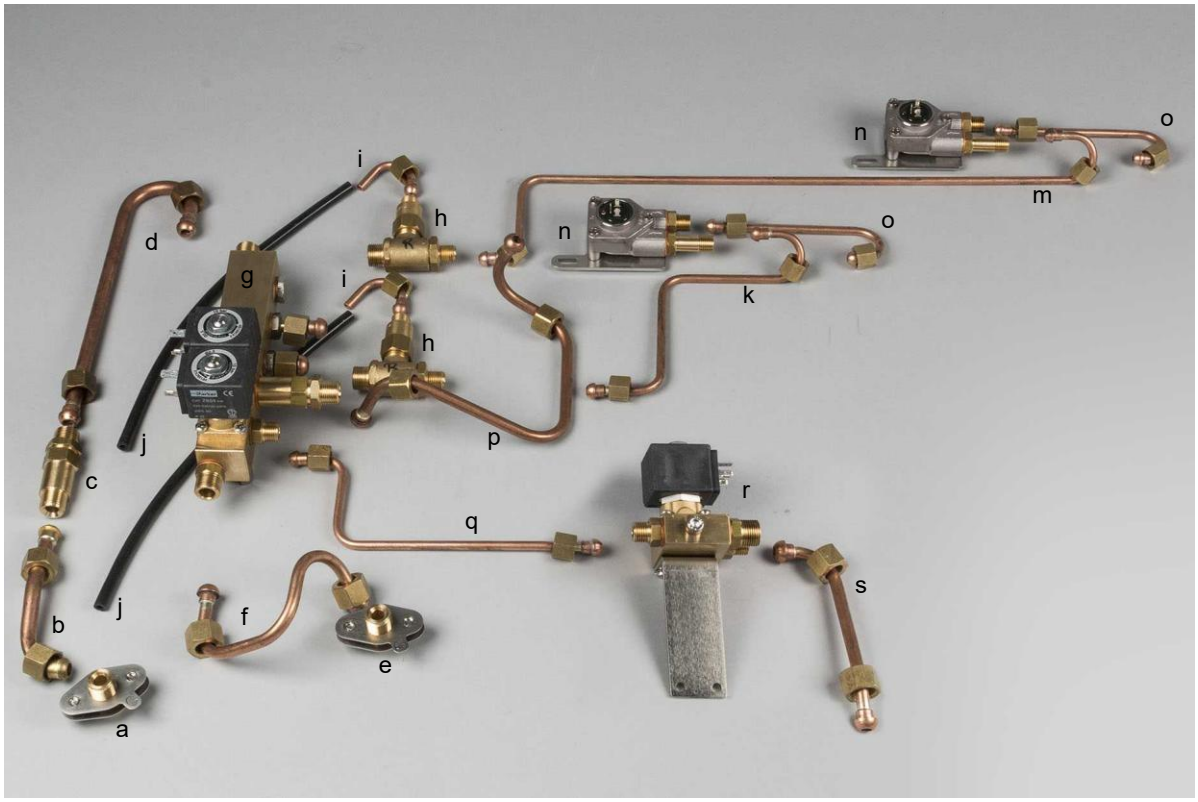
Duette overview



Triplette overview



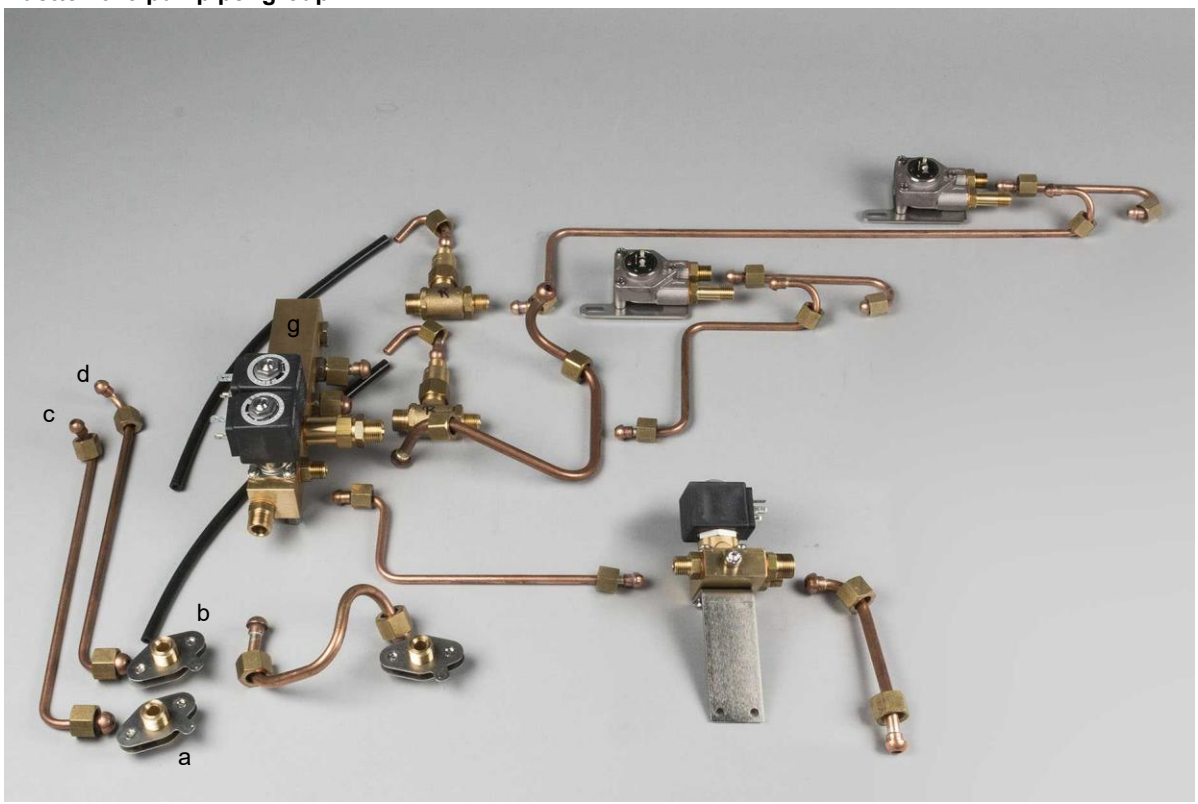
Duette 2013



	Part number	Short description	remark
a	K01246-05	inlet mounting plate with nuts; s.st., marked “C”	
	K01245-03	inlet mounting plate; s.st.	
	K00719-00	fitting 3/8M - 3/8M; brass	
b	K01046-00	10mm copper tube; inlet fitting ↔ one-way valve (Spirit)	
c	~~K00628-00~~	one-way valve 3/8M-3/8M; brass	K03310-00
	K03310-00	1-way valve 3/8M-3/8M; brass with TEA and RUVECO coating	
d	K01047-00	10mm copper tube; one-way valve ↔ manifold (Spirit)	
e	K01249-05	inlet mounting plate with nuts; s.st., marked “S”	
	K01245-03	inlet mounting plate; s.st.	
	K00719-00	fitting 3/8M - 3/8M; brass	
f	K01045-01	8mm copper tube; inlet fitting ↔ manifold (Spirit 2-pump)	
g	~~R B6004 DC~~*	manifold assembly Spirit Du; 2-pump machine	see page 56
h	K01079-00	combi valve (one-way/expansion); brass	see remark below
i	K01033-00*	6mm copper tube; combi valve ↔ discharge hose	
	K00297-00*	swivel nut 1/4"; brass	
j	K01077-00*	hose 4x8mm; black silicone, 28cm long	
k	K01054-00*	6mm copper tube; combi valve ↔ flow meter (Spirit Du&Tr-left)	
m	K01053-00*	6mm copper tube; combi valve ↔ flow meter (Spirit Du-right)	
n, o		flow meter with fittings and mounting plate, tubing	see page 19
p	~~R B6035~~	8mm copper tube; manifold ↔ steam boiler (Spirit)	K01052-02
	K01052-02	10mm copper tube; manifold ↔ steam boiler (Spirit)	K03623-00
	K03623-00	10mm copper tube; manifold ↔ steam boiler (Spirit)	new boiler
q	K01048-00	6mm copper tube; manifold ↔ mix-block (Spirit Du)	
r	~~K01027-00~~	assembly: mix-block Spirit, with bracket	see page 55
s	K01051-00	8mm copper tube; mix-block ↔ front panel fitting (Spirit)	
nip	K01050-00	6mm copper tube; steam boiler ↔ mix-block (Spirit)	see page 7

* with use of new type inlet manifold, these tubes and hoses have been changed. See next section.

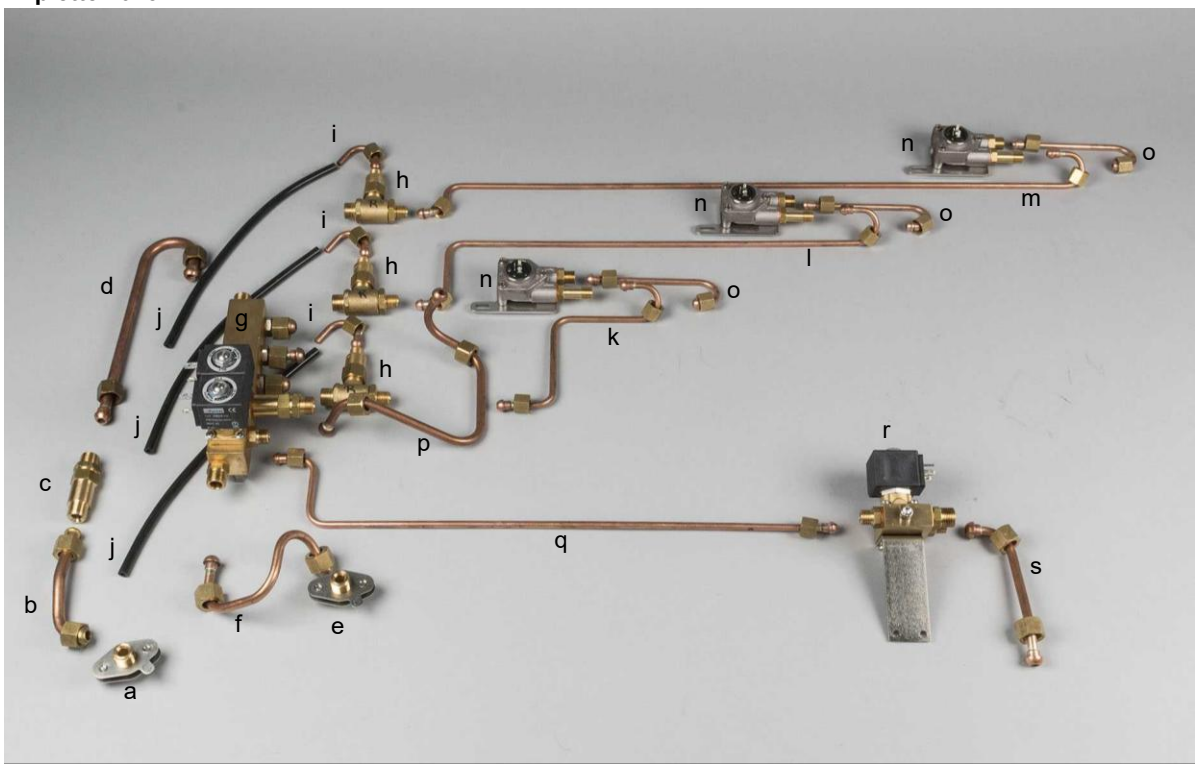
Duette 2013 pump per group



	Part number	Short description	remark
a	K01247-05	inlet mounting plate with nuts; s.st., marked “L”	
	K01245-03	inlet mounting plate; s.st.	
	K00719-00	fitting 3/8M - 3/8M; brass	
b	K01248-05	inlet mounting plate with nuts; s.st., marked “R”	
	K01245-03	inlet mounting plate; s.st.	
	K00719-00	fitting 3/8M - 3/8M; brass	
c	K01042-00	6mm copper tube; inlet fitting ↔ manifold (Spirit Du&Tr, left)	
d	K01043-00	6mm copper tube; inlet fitting ↔ manifold (Spirit Du-right, Tr-centre)	
g	~~R-B6114-DC~~	manifold assembly Spirit Du; pump per group	see page 60
nip	K01050-00	6mm copper tube; steam boiler ↔ mix-block (Spirit)	see page 7

all other items as previous page

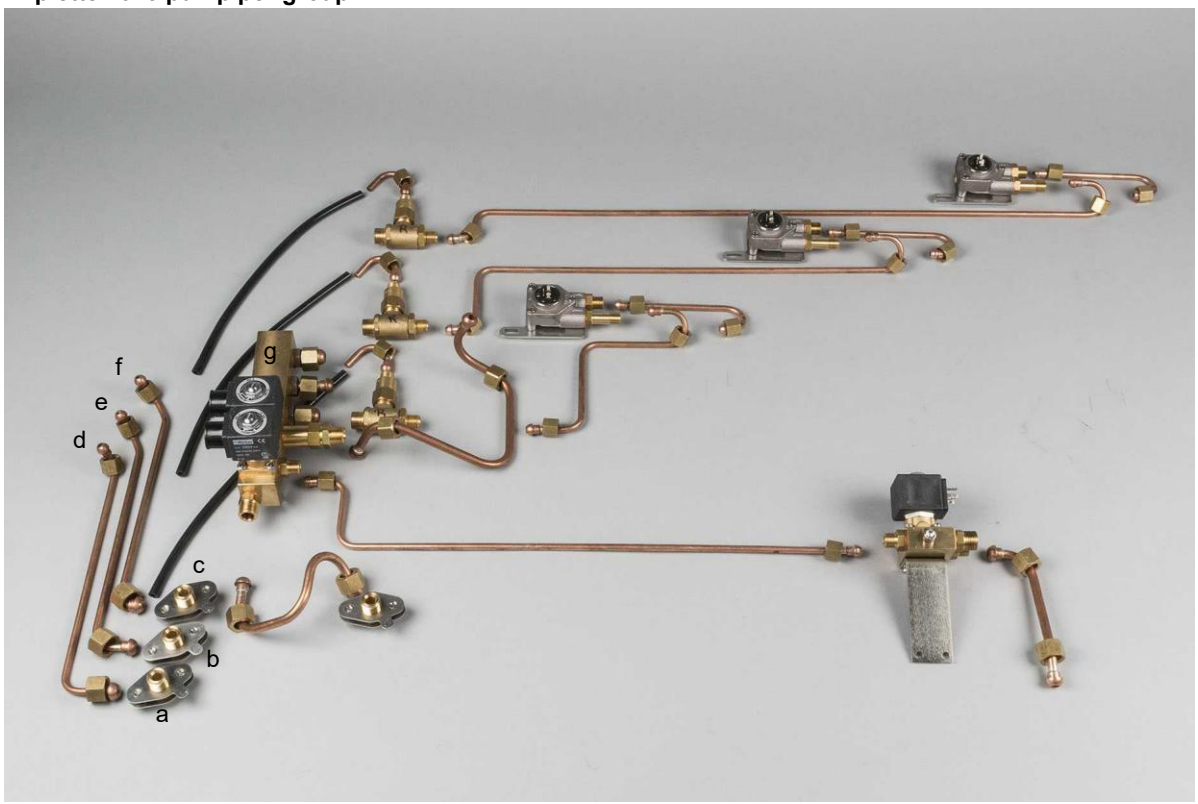
Triplette 2013



	Part number	Short description	remark
a	K01246-05	inlet mounting plate with nuts; s.st., marked “C”	
	K01245-03	inlet mounting plate; s.st.	
	K00719-00	fitting 3/8M - 3/8M; brass	
b	K01046-00	10mm copper tube; inlet fitting ↔ one-way valve (Spirit)	
c	~~K00628-00~~	one-way valve 3/8M-3/8M; brass	K03310-00
	K03310-00	1-way valve 3/8M-3/8M; brass with TEA and RUVECO coating	
d	K01047-00	10mm copper tube; one-way valve ↔ manifold (Spirit)	
e	K01249-05	inlet mounting plate with nuts; s.st., marked “S”	
	K01245-03	inlet mounting plate; s.st.	
	K00719-00	fitting 3/8M - 3/8M; brass	
f	K01045-01	8mm copper tube; inlet fitting ↔ manifold (Spirit 2-pump)	
g	~~R B6004 TC~~	manifold assembly Spirit Tr; 2-pump machine	see page 58
h	K01079-00*	combi valve (one-way/expansion); brass	see remark below
i	K01033-00*	6mm copper tube; combi valve ↔ discharge hose	
	K00297-00*	swivel nut 1/4"; brass	
j	K01077-00*	hose 4x8mm; black silicone, 28cm long	
k	K01054-00*	6mm copper tube; combi valve ↔ flow meter (Spirit Du&Tr-left)	
l	K01055-00*	6mm copper tube; combi valve ↔ flow meter (Spirit Tr-centre)	
m	K01056-00*	6mm copper tube; combi valve ↔ flow meter (Spirit Tr-right)	
n, o	see page 19	flow meter with fittings and mounting plate, tubing	see page 19
p	~~R B6035~~	8mm copper tube; manifold ↔ steam boiler (Spirit)	K01052-02
	K01052-02	10mm copper tube; manifold ↔ steam boiler (Spirit)	rev.19+ boiler: K03623-00
nip	K03623-00	10mm copper tube; manifold ↔ steam boiler (Spirit)	
q	K01049-00	6mm copper tube; manifold ↔ mix-block (Spirit Tr)	
r	~~K01027-00~~	assembly: mix-block Spirit, with bracket	see page 55
s	K01051-00	8mm copper tube; mix-block ↔ front panel fitting (Spirit)	
nip	~~K01050-00~~	6mm copper tube; steam boiler ↔ mix-block (Spirit)	see page 7

* with use of new type inlet manifold, these tubes and hoses have been changed. See next section.

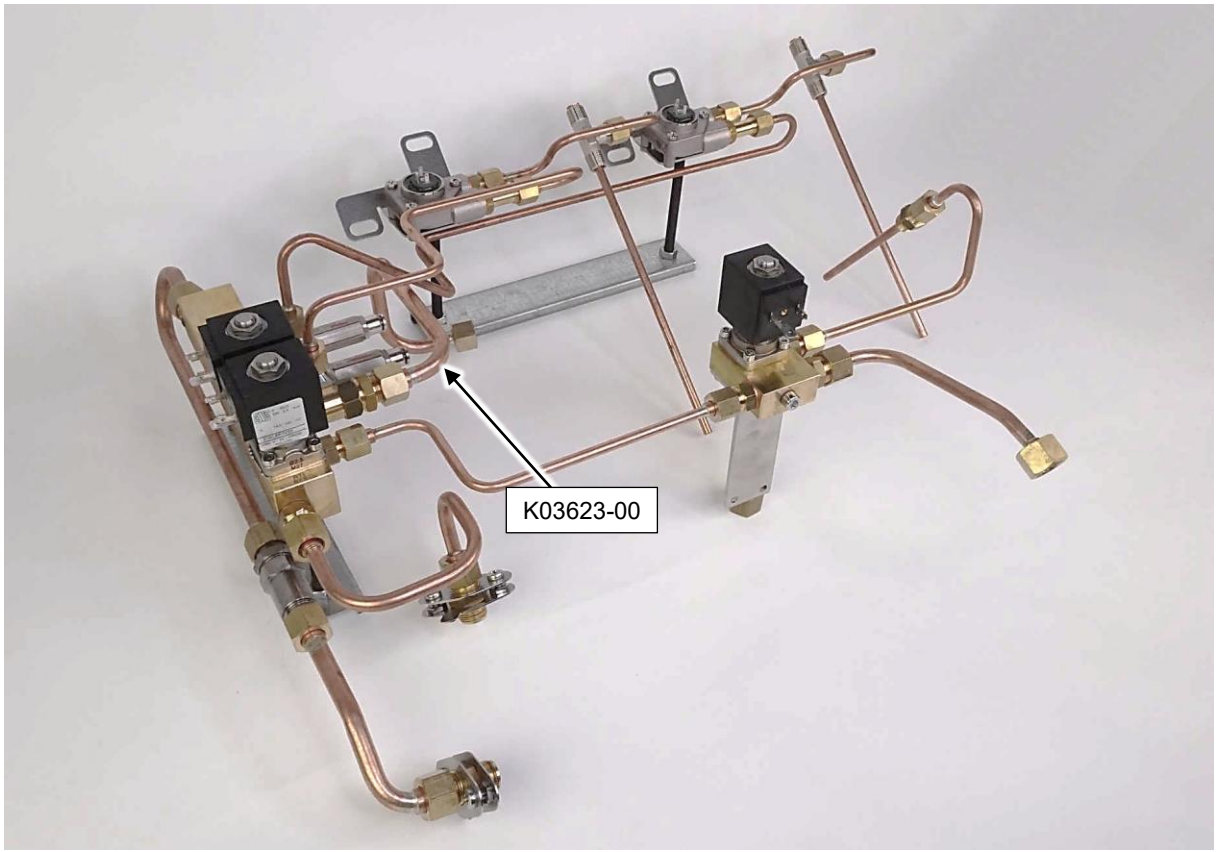
Triplette 2013 pump per group

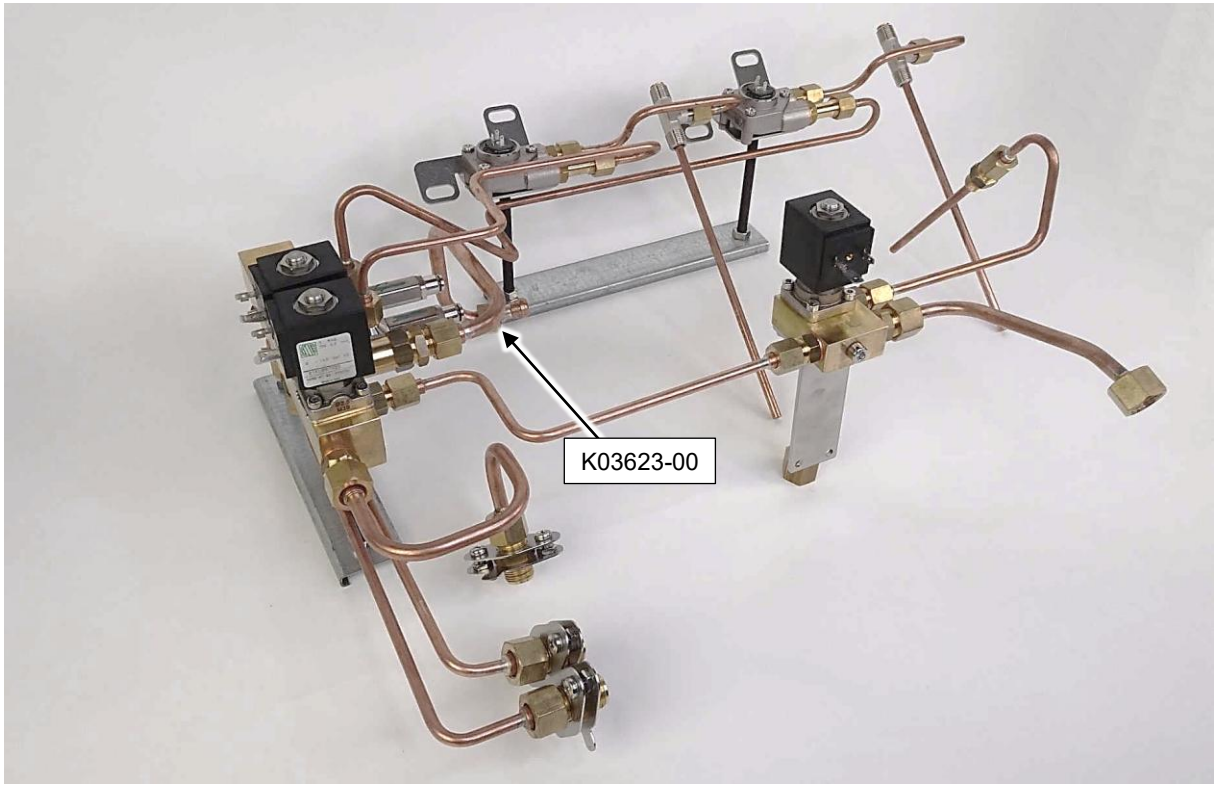


	Part number	Short description	remark
a	K01247-05	inlet mounting plate with nuts; s.st., marked “L”	
	K01245-03	inlet mounting plate; s.st.	
	K00719-00	fitting 3/8M - 3/8M; brass	
b	K01246-05	inlet mounting plate with nuts; s.st., marked “C”	
	K01245-03	inlet mounting plate; s.st.	
	K00719-00	fitting 3/8M - 3/8M; brass	
c	K01248-05	inlet mounting plate with nuts; s.st., marked “R”	
	K01245-03	inlet mounting plate; s.st.	
	K00719-00	fitting 3/8M - 3/8M; brass	
d	K01042-00	6mm copper tube; inlet fitting ↔ manifold (Spirit Du&Tr, left)	
e	K01043-00	6mm copper tube; inlet fitting ↔ manifold (Spirit Du-right, Tr-centre)	
f	K01044-00	6mm copper tube; inlet fitting ↔ manifold (Spirit Tr-right)	
g	~~R-B6114-TC~~	manifold assembly Spirit Tr; pump per group	see page 61

all other items as previous page

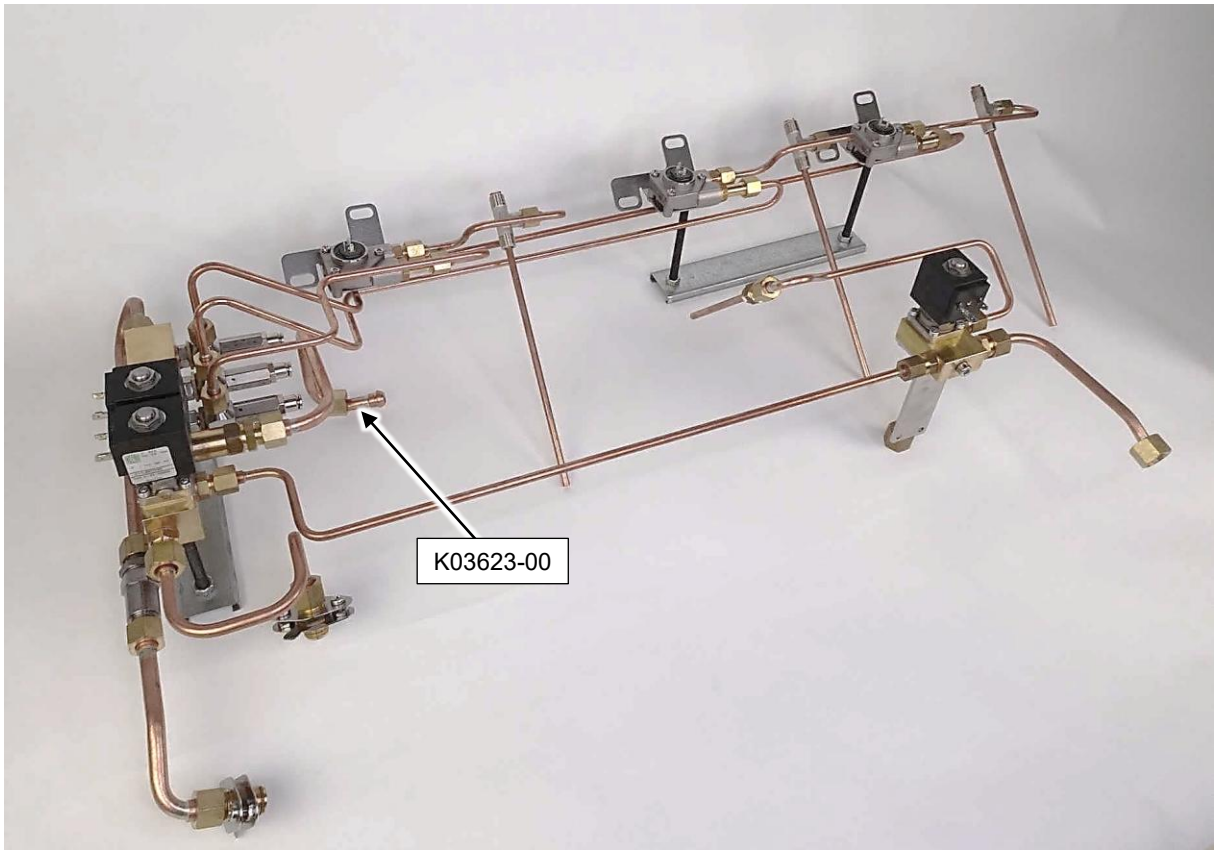
Spatial view Duette 2022 inlet to HX-injection lines
2-pump machine (top) and pump-per group (bottom)

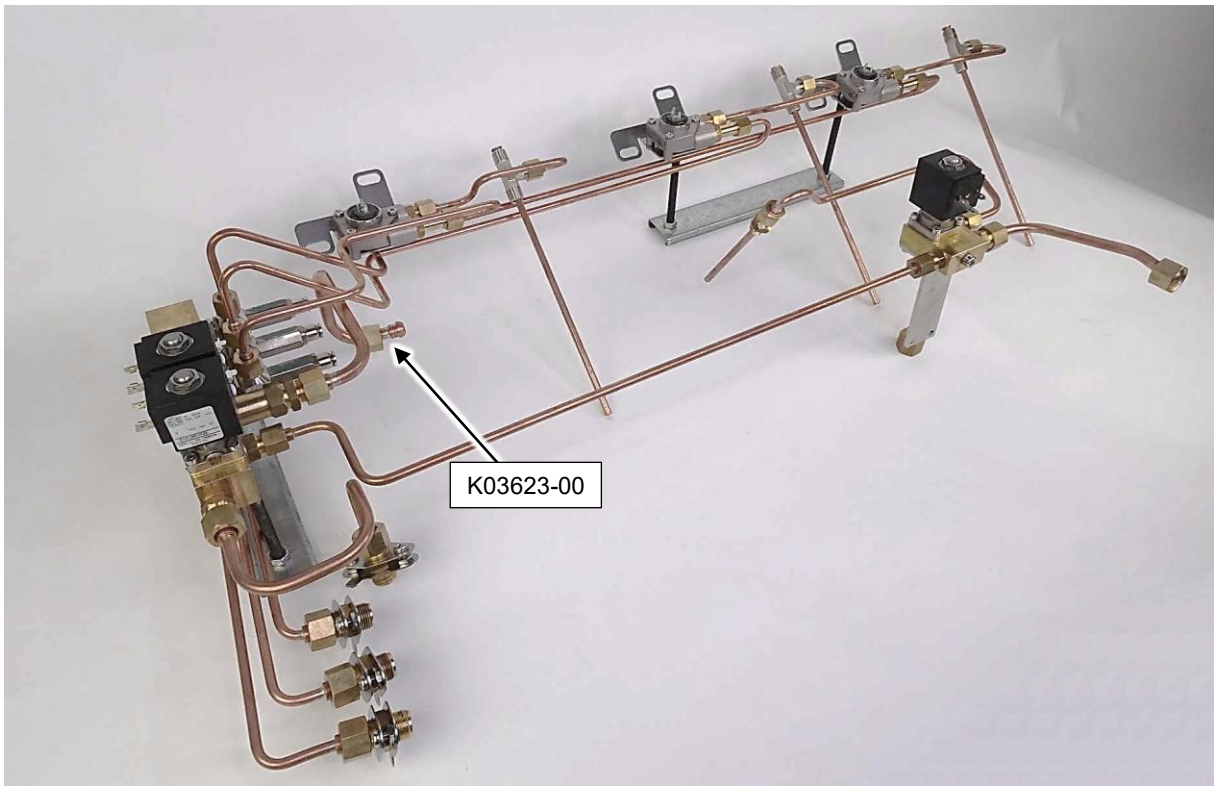




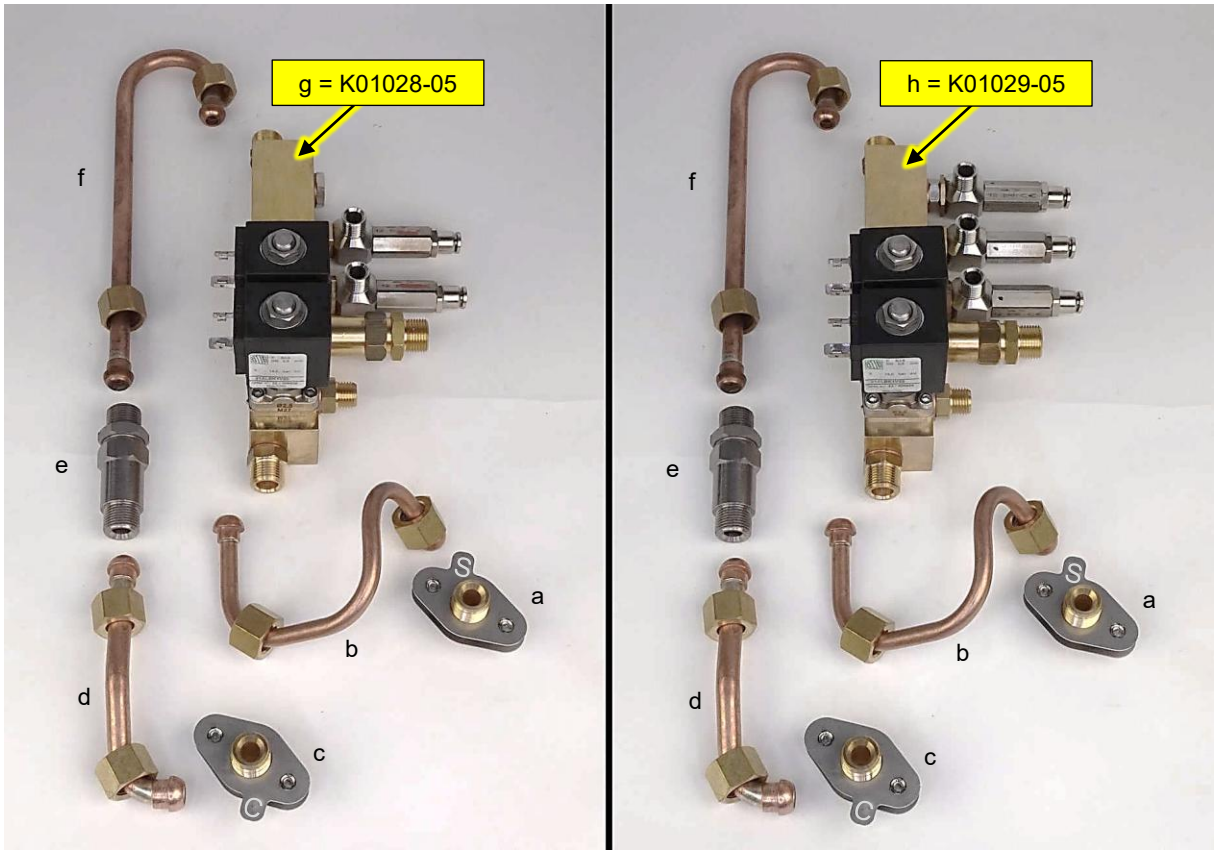
During 2022 the combi-valves (one-way and expansion) were replaced with individual items. The new expansion valve initially had a hose-pillar connection, that was later changed to push-in as shown here.

Spatial view Triplette 2022 inlet to HX-injection lines
2-pump machine (top) and pump-per-group (bottom)



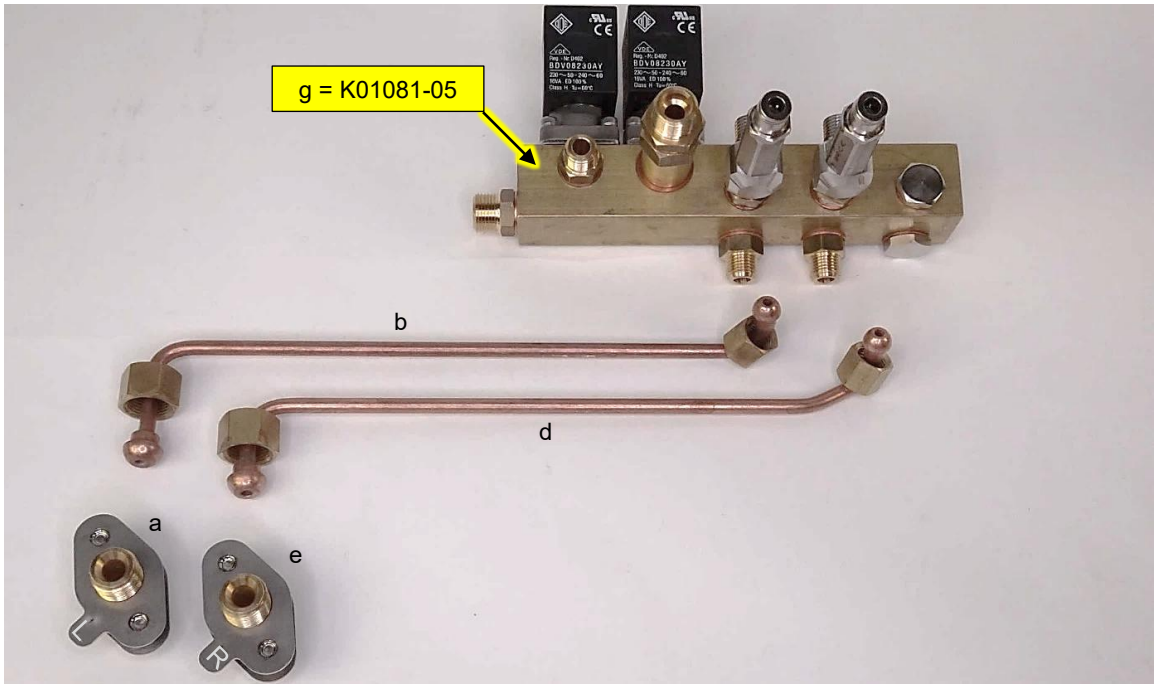


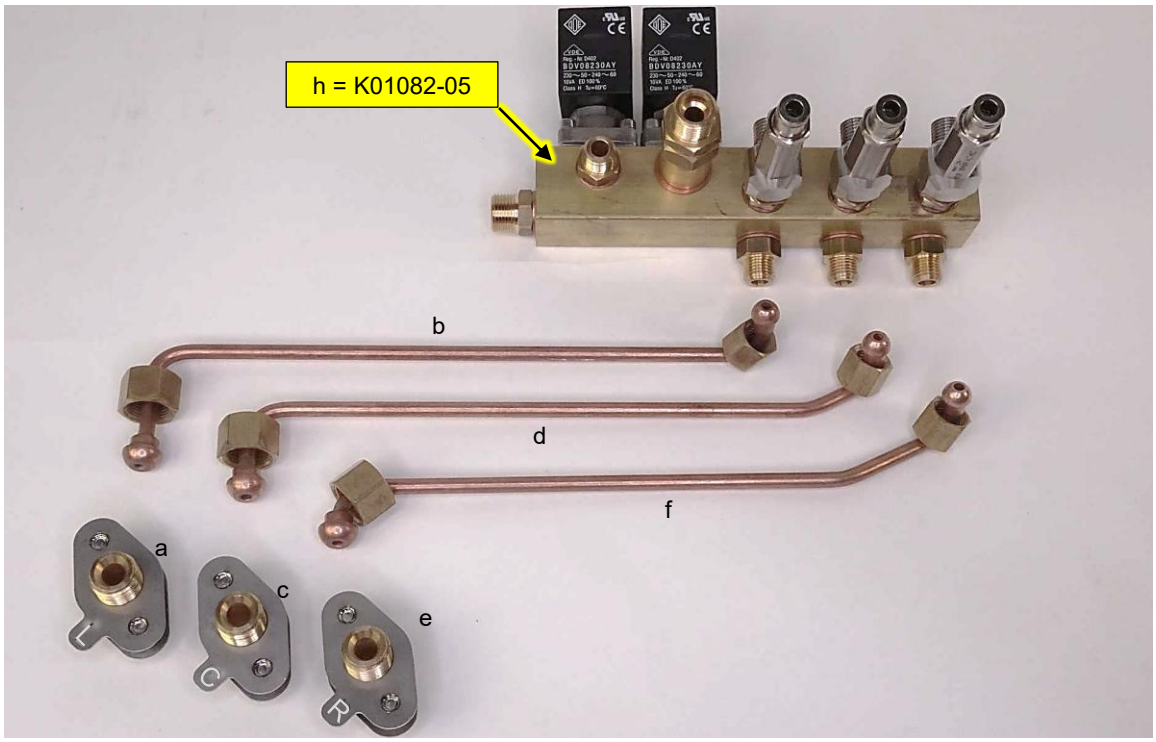
Water inlet to manifold 2-pump machine 2022
Duette (left) and Triplette (right)



	Part number	Short description	remark
a	K01249-05	inlet mounting plate with nuts; s.st., marked “S”	
	K01245-03	inlet mounting plate; s.st.	
	K00719-00	fitting 3/8M - 3/8M; brass	
	C-SK-M5x8	Phillips screw din7985 M5x8mm; s.st.	2 pcs
b	K01045-01	8mm copper tube; inlet fitting (steam) - manifold	
c	K01246-05	inlet mounting plate with nuts; s.st., marked “C”	
	K01245-03	inlet mounting plate; s.st.	
	K00719-00	fitting 3/8M - 3/8M; brass	
	C-SK-M5x8	Phillips screw din7985 M5x8mm; s.st.	2 pcs
d	K01046-00	10mm copper tube; inlet fitting - one-way valve (Spirit)	
e	K03310-00	1-way valve 3/8M-3/8M; brass with TEA and RUVECO coating	
f	K01047-00	10mm copper tube; one-way valve - manifold (Spirit)	
g	K01028-05	manifold assembly Spirit Du; 2-pump machine, flat-jets CD10	
h	K01029-05	manifold assembly Spirit Tr; 2-pump machine, flat-jets CD10	

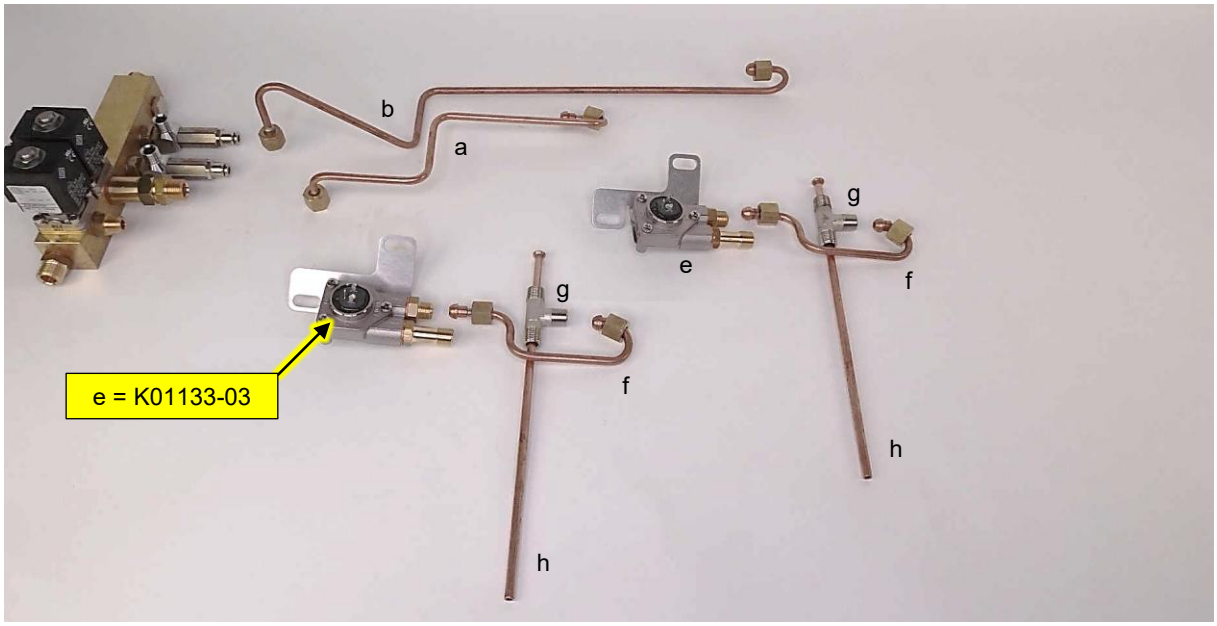
Coffee-water inlet to manifold pump-per-group 2022
Duette (top) and Triplette (bottom)

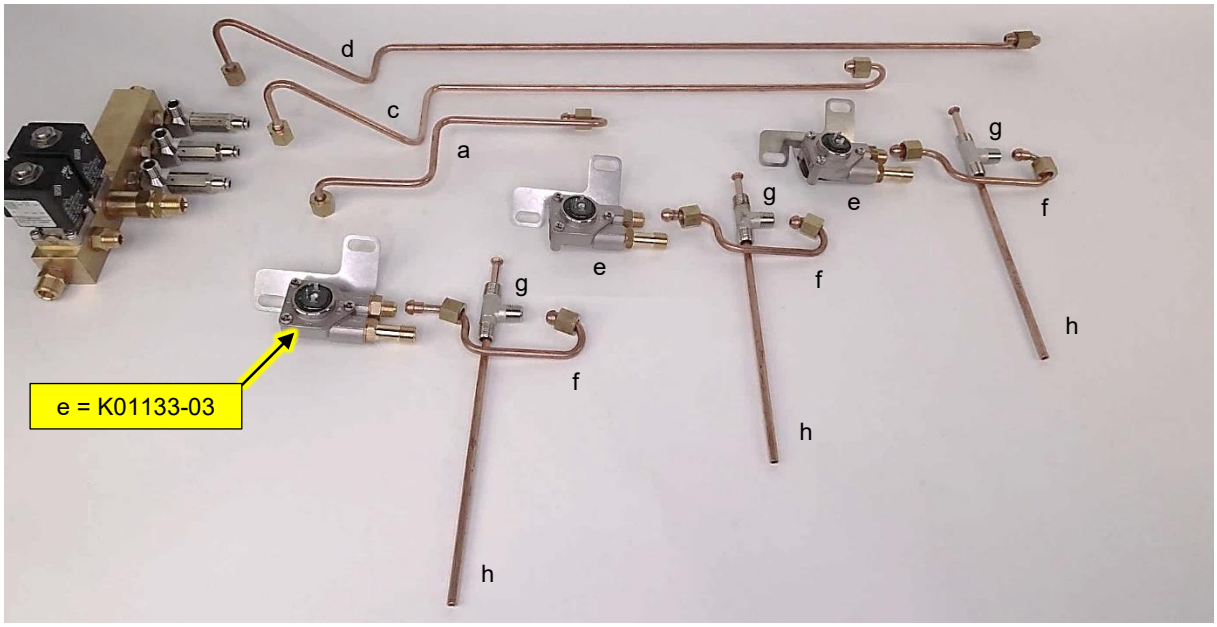




	Part number	Short description	remark
a	K01247-05	inlet mounting plate with nuts; s.st., marked “L”	
b	K01042-00	6mm copper tube; inlet fitting - manifold (Spirit Du&Tr-left)	
c	K01246-05	inlet mounting plate with nuts; s.st., marked “C”	
d	K01043-00	6mm copper tube; inlet fitting - manifold (Spirit Du-right, Tr-centre)	
e	K01248-05	inlet mounting plate with nuts; s.st., marked “R”	
f	K01044-00	6mm copper tube; inlet fitting - manifold (Spirit Tr-right)	
g	K01081-05	manifold assembly Spirit Du; pump/group, flat-jets CD10	
h	K01082-05	manifold assembly Spirit Tr; pump/group, flat-jets CD10	

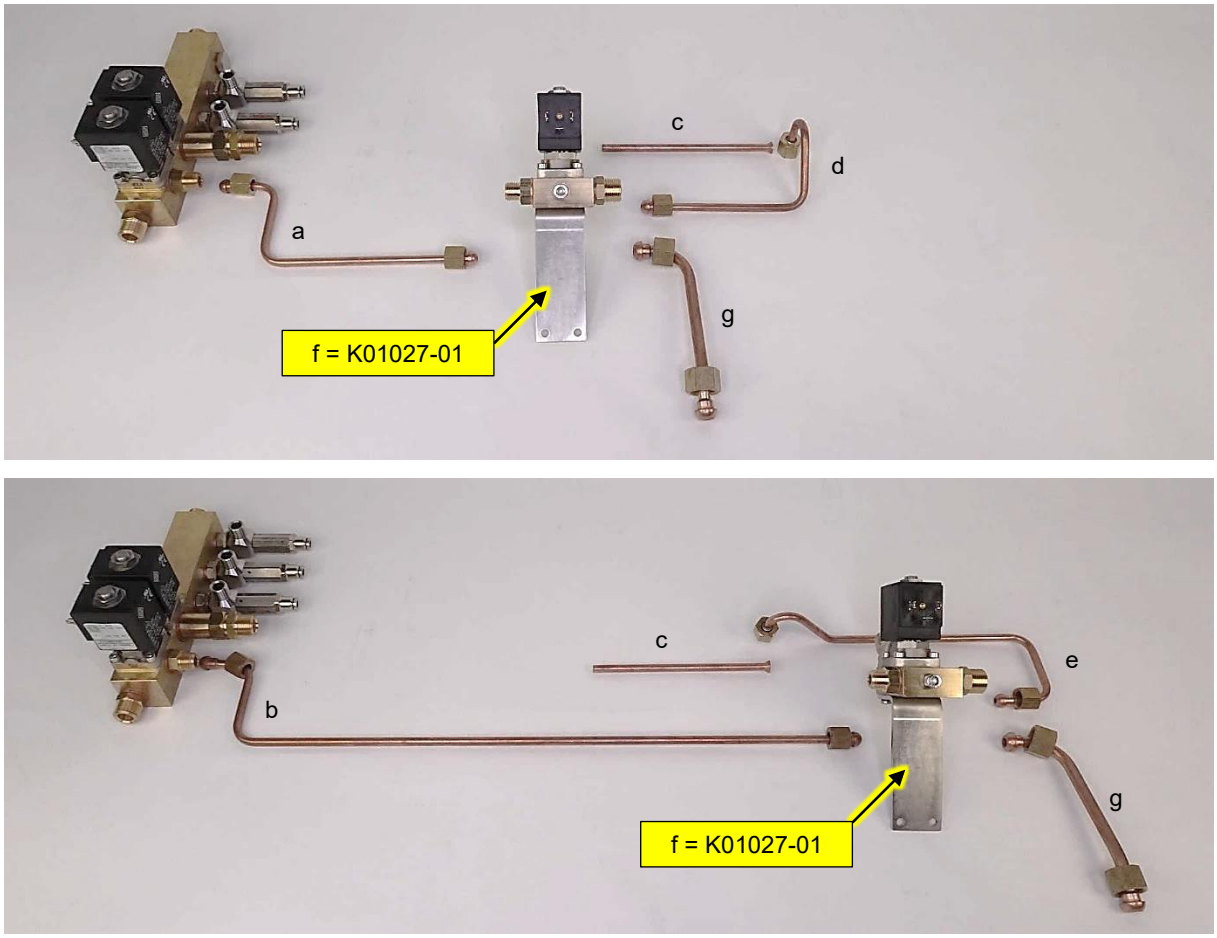
Manifold to HX-injection lines 2022
Duette (top) and Triplette (bottom)





	Part number	Short description	remark
a	K03384-00	6mm copper tube; 1-way valve - flow meter (Spirit Du&Tr-left)	
b	K03381-00	6mm copper tube; 1-way valve - flow meter (Spirit Du-right)	
c	K03383-00	6mm copper tube; 1-way valve - flow meter (Spirit Tr-centre)	
d	K03382-00	6mm copper tube; 1-way valve - flow meter (Spirit Tr-right)	
e	K01133-03	flow meter assembly 1.15mm, 4 magnets; horizontal mount	
f	K01032-02	6mm copper tube; flow meter - heat exchanger	
g	K01654-00	T-fitting 1/4M-1/4M-1/4M; nickel plated brass	
h	K01057-00	6mm copper tube; injector in heat exchanger (Spirit)	

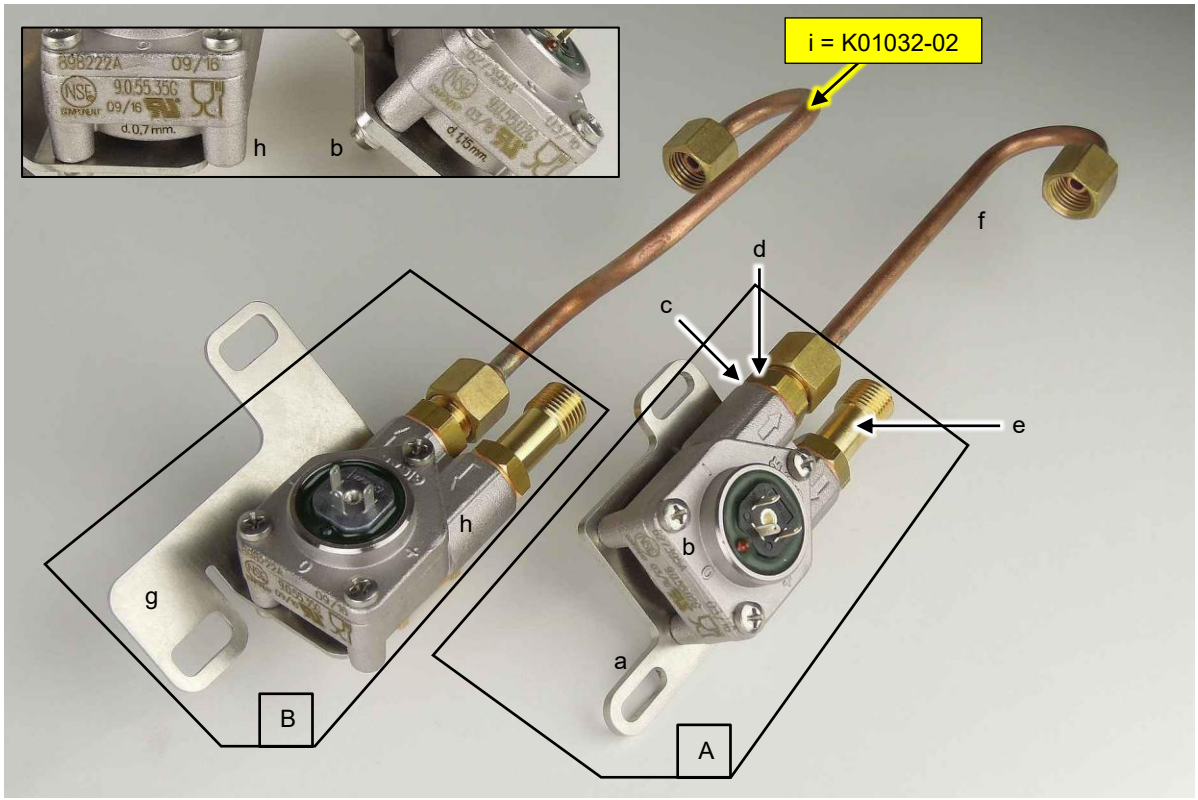
Mixblock and boiler to hot water spout 2022
Duette (top) and Triplette (bottom)



	Part number	Short description	remark
a	K01048-00	6mm copper tube; manifold - mix-block (Spirit Du)	
b	K01049-00	6mm copper tube; manifold - mix-block (Spirit Tr)	
c	K03626-00	6mm copper tube; steam boiler - mix-block (Spirit)	
d	K03624-00	6mm copper tube; steam boiler - mix-block (Spirit duette)	
e	K03625-00	6mm copper tube; steam boiler - mix-block (Spirit Triplette)	
f	K01027-01	assembly: mix-block Spirit, with bracket	
g	K01051-00	8mm copper tube; mix-block - front panel fitting (Spirit)	
nip	K03623-00	10mm copper tube; manifold - steam boiler (Spirit)	Du and Tr

Inlet to manifold to flow meter, mix-block and boiler

Flow meter



Individual parts flow meter:

2012-2016 slanted mount

	Part number	Short description	remark
A	~~K01132-00~~	flow meter assembly, 1.15mm; slanted mount	without “f”
a	~~K01302-01~~	flow meter bracket Spirit; s.st., slanted mount	
b	K03140-00	flow meter, orifice 1.15mm, 0.25 ml/pulse; TEA plated brass	20-1400 ml/min
c	K00785-00	ring 1/4"; copper	2 needed
d	K00865-00	fitting 1/4M-1/4M; brass	
e	K01072-00	extended fitting 1/4M-1/4M; brass	
nip	C-SK-M4x12	Philips screw din7985 M4x12; s.st.	3 needed
f	K01031-01	6mm copper tube; flow meter ↔ heat exchanger	08-2013..10-2016

2016-… horizontal mount

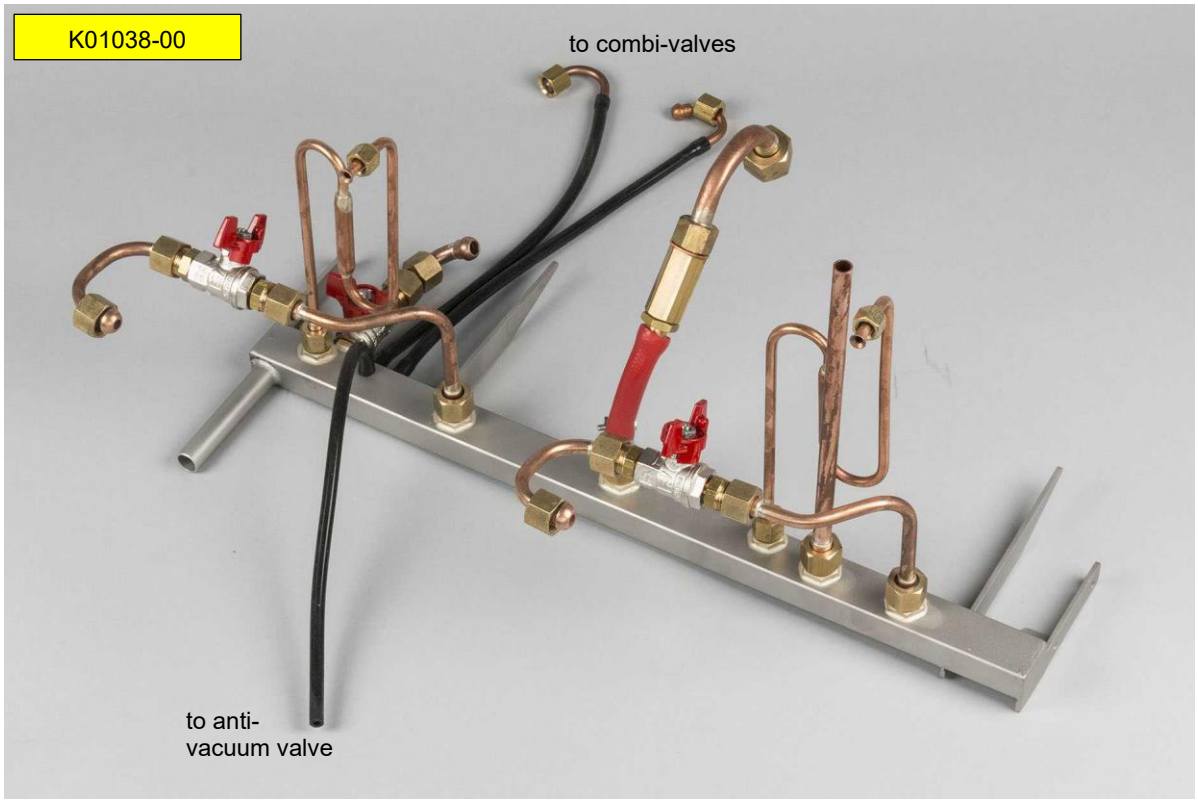
B	~~K01133-02~~	flow meter assembly 0.7mm; horizontal mount	without K01032-02
	K01133-03	flow meter assembly, 1.15mm, 0.25 ml/pulse, horizontal mount	
g	K01302-04	flow meter bracket Spirit; s.st., horizontal mounting	
h	K03140-00	flow meter, orifice 1.15mm, 0.25 ml/pulse; TEA, low Pb brass	20-1400 ml/min
nip	C-SK-M4x12	Philips screw din7985 M4x12; s.st.	2 needed
i	K01032-02	6mm copper tube; flow meter ↔ heat exchanger	after October 2016

Flow-meter evolution:

old	~~K00654-00~~	flow meter, orifice 1.15mm, 0.5 ml/pulse; TEA plated brass	35-1600 ml/min
	~~K03140-00~~	flow meter, orifice 1.15mm, 0.5 ml/pulse; TEA, low Pb brass	
⇩	~~K01084-00~~	flow meter, orifice 0.7mm, 0.3 ml/pulse; TEA plated brass	25-700 ml/min
	~~K01085-02~~	flow meter, orifice 0.7mm, 0.3 ml/pulse; TEA, low Pb brass	
new	K03140-00	flow meter, orifice 1.15mm, 0.25 ml/pulse; TEA, low Pb brass	20-1400 ml/min

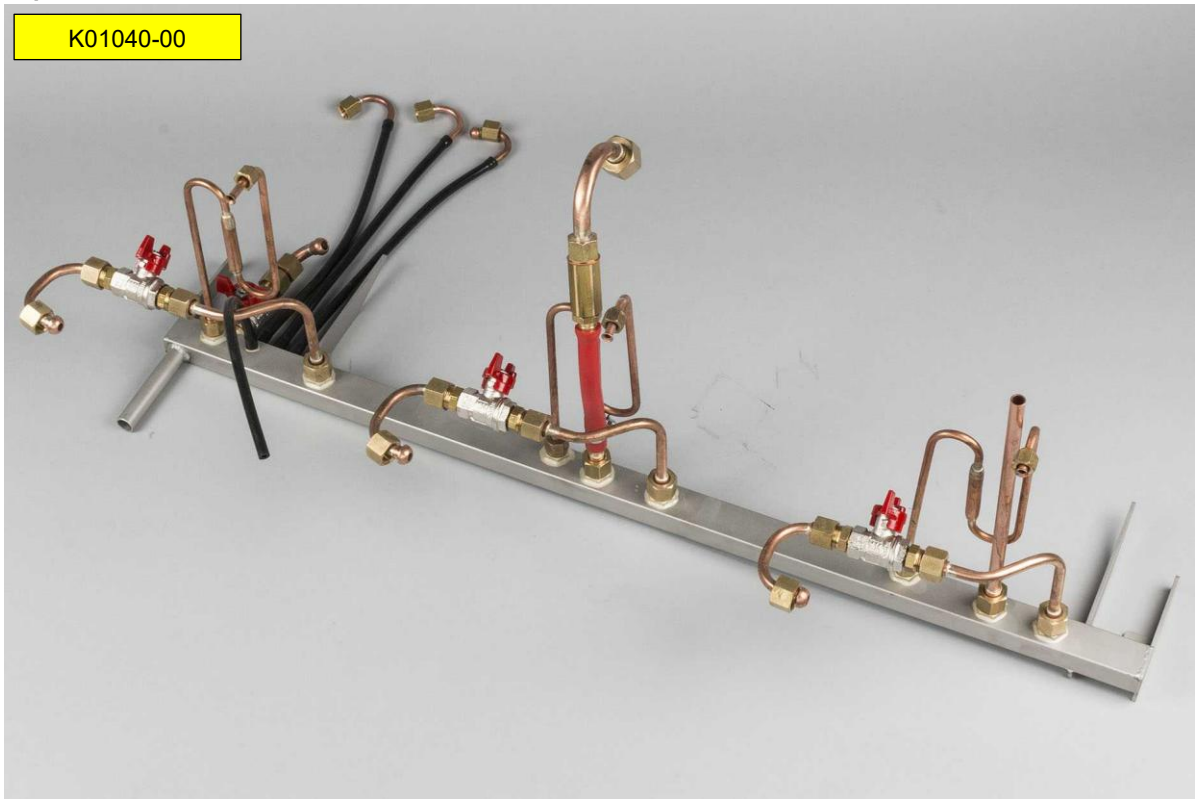
Discharge

Duette version 0 overview



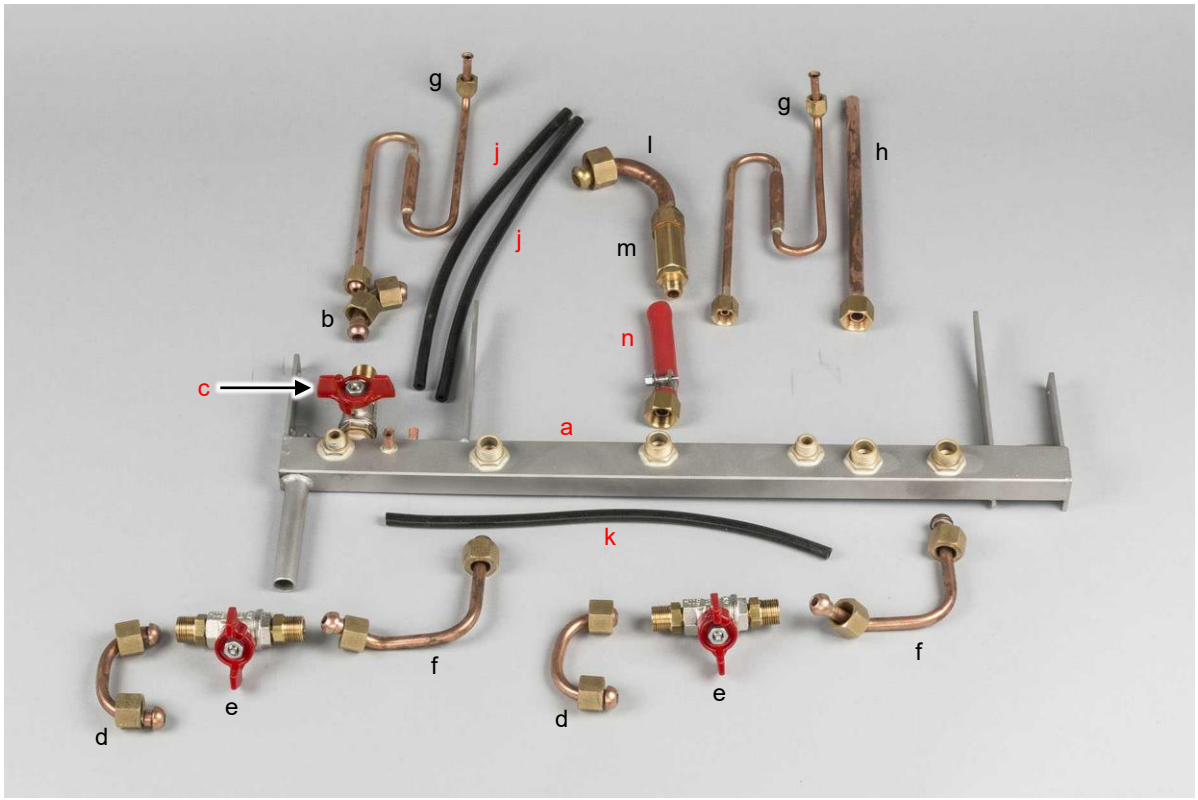
K01038-00 with several extra items attached.

Triplette version 0 overview



K01040-00 with several extra items attached.

Duette version 0

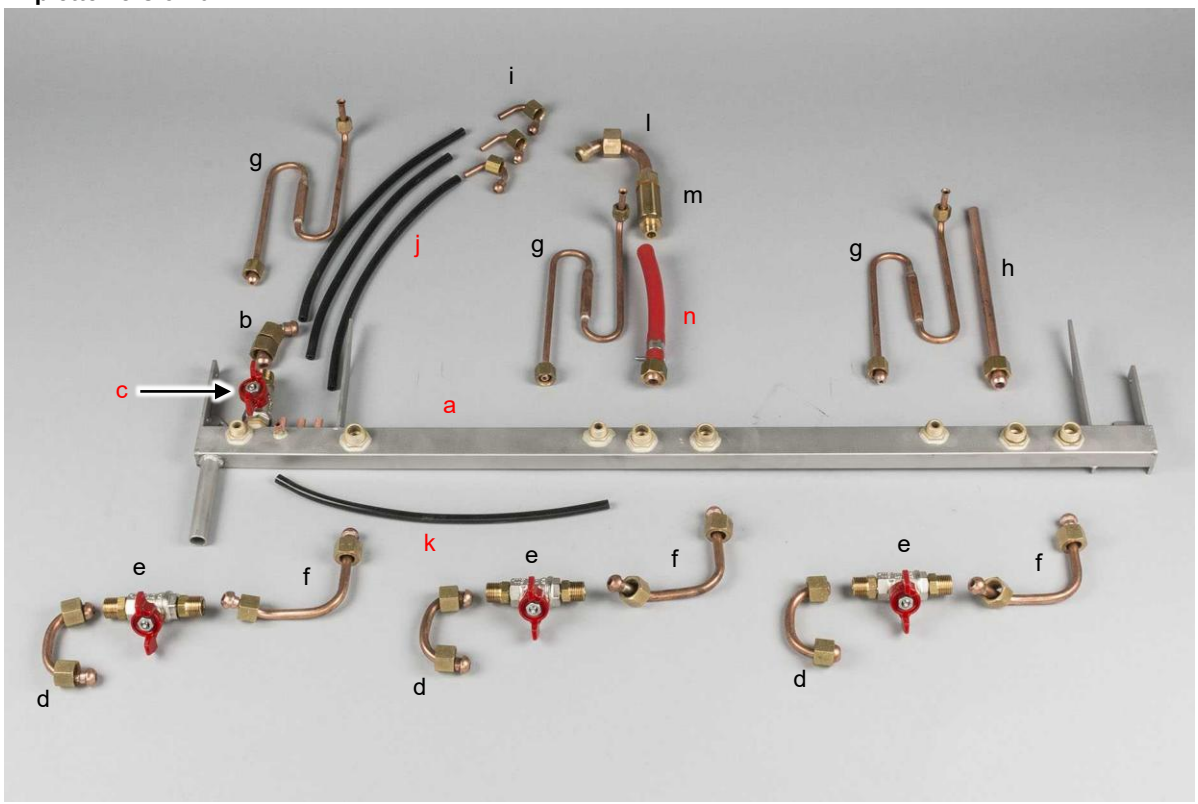


	Part number	Short description	remark
a	K01038-01	main discharge pipe with drain valve Spirit Du; s.st.	incl. item c
b	K01065-00	10mm copper tube; steam boiler ↔ drain valve (Spirit)	
c	~~K00782-00~~	ball valve 1/4F-1/4F; nickel plated brass, butterfly handle, W20	K02284-00
	K02284-00	ball valve 1/4F-1/4F; nickel plated brass, custom handle, W20	K03514-00
	K03514-00	ball valve 1/4F-1/4F; nickel plated brass, custom handle, W17	
	K00866-00	fitting 1/4M-3/8M; brass	
d	K01061-00	8mm copper tube; coffee boiler ↔ drain valve (Spirit)	
e	~~K00782-00~~	ball valve 1/4F-1/4F; nickel plated brass, butterfly handle	K01415-02: custom valve K03514-00 with 2 fittings*
	K00866-00	fitting 1/4M-3/8M; brass	
f	K01062-00	8mm copper tube; drain valve coffee boiler ↔ discharge pipe	
g	K01063-00	6mm copper tube; group valve ↔ discharge pipe (Spirit)	
h	K01064-00	10mm copper tube; discharge aerator (Spirit)	
j	K01077-00	hose 4x8mm; black silicone, 28cm long	
k	K01077-00	hose 4x8mm; black silicone, 28cm long	
l	MR-B081-T	12mm copper tube; steam boiler ↔ pressure safety valve	is replaced with: ~~K00634-00~~ K03345-00 see page 24
	K00784-00	ring 3/8”; copper	
m	~~K00629-00~~	pressure safety valve 3/8M-hose pillar; brass	
n	K01075-00	reinforced hose 8x14.5mm; red silicone; 8.5cm long	
	K01070-00	10mm copper tube; safety valve hose ↔ discharge pipe	
	L-W0038	swivel nut 3/8”; brass	
	C-HK-12-22	hose clamp 12-22mm; s.st.	

All items in red make assembly K01038-00 (=R-B6025-DC)

* to make this fit in older machines, you need K03523-00

Triplette version 0

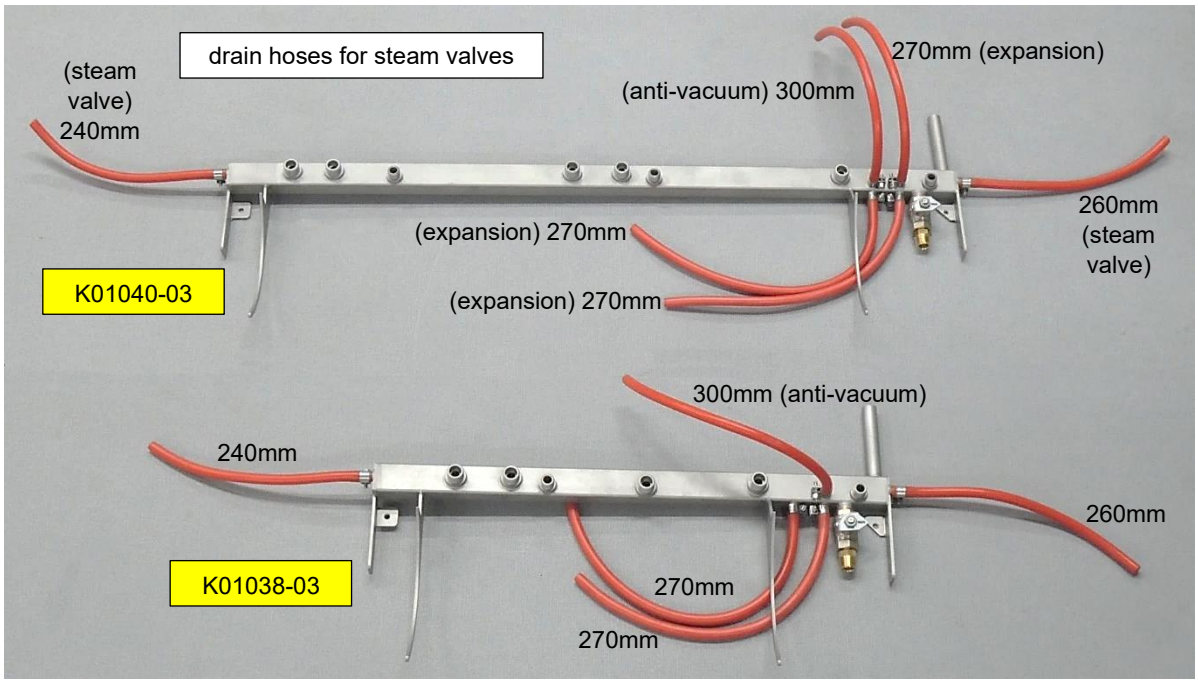


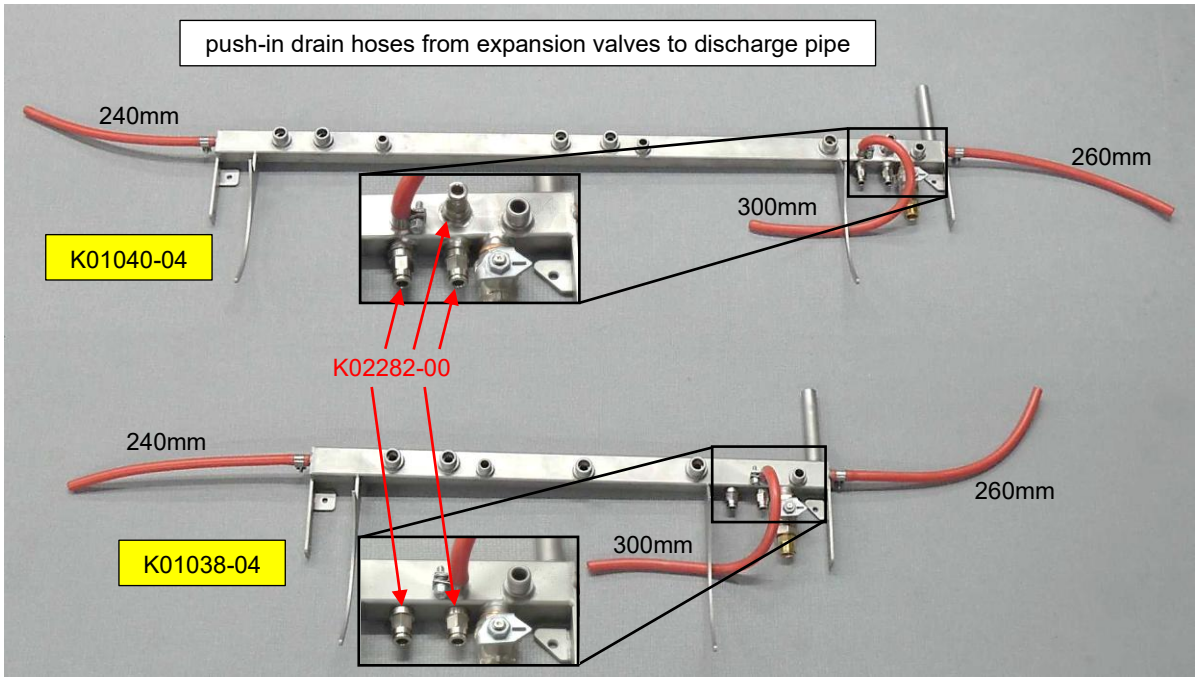
	Part number	Short description	remark
a	K01040-01	main discharge pipe with drain valve Spirit Tr; s.st.	incl. item c
b	K01065-00	10mm copper tube; steam boiler ↔ drain valve (Spirit)	
c	~~K00782-00~~	ball valve 1/4F-1/4F; nickel plated brass, butterfly handle, W20	K02284-00
	K02284-00	ball valve 1/4F-1/4F; nickel plated brass, custom handle, W20	K03514-00
	K03514-00	ball valve 1/4F-1/4F; nickel plated brass, custom handle, W17	
	K00866-00	fitting 1/4M-3/8M; brass	
d	K01061-00	8mm copper tube; coffee boiler ↔ drain valve (Spirit)	
e	~~K00782-00~~	ball valve 1/4F-1/4F; nickel plated brass, butterfly handle	K01415-02: custom valve K03514-00 with 2 fittings*
	K00866-00	fitting 1/4M-3/8M; brass	
f	K01062-00	8mm copper tube; drain valve coffee boiler ↔ discharge pipe	
g	K01063-00	6mm copper tube; group valve ↔ discharge pipe (Spirit)	
h	K01064-00	10mm copper tube; discharge aerator (Spirit)	
i	K01033-00	6mm copper tube; combi valve ↔ discharge hose	
	K00297-00	swivel nut 1/4"; brass	
j	K01077-00	hose 4x8mm; black silicone, 28cm long	
k	K01077-00	hose 4x8mm; black silicone, 28cm long	
l	MR-B081-T	12mm copper tube; steam boiler ↔ pressure safety valve	is replaced with: ~~K00634-00~~ K03345-00 see page 24
	K00784-00	ring 3/8”; copper	
m	~~K00629-00~~	pressure safety valve 3/8M-hose pillar; brass	
n	K01075-00	reinforced hose 8x14.5mm; red silicone; 8.5cm long	
	K01070-00	10mm copper tube; safety valve hose ↔ discharge pipe	
	L-W0038	swivel nut 3/8”; brass	
	C-HK-12-22	hose clamp 12-22mm; s.st.	

All items in red make assembly K01040-00 (=R-B6025-TC)
* to make this fit in older machines, you need K03523-00

Discharge pipe assembly versions 2 and 4

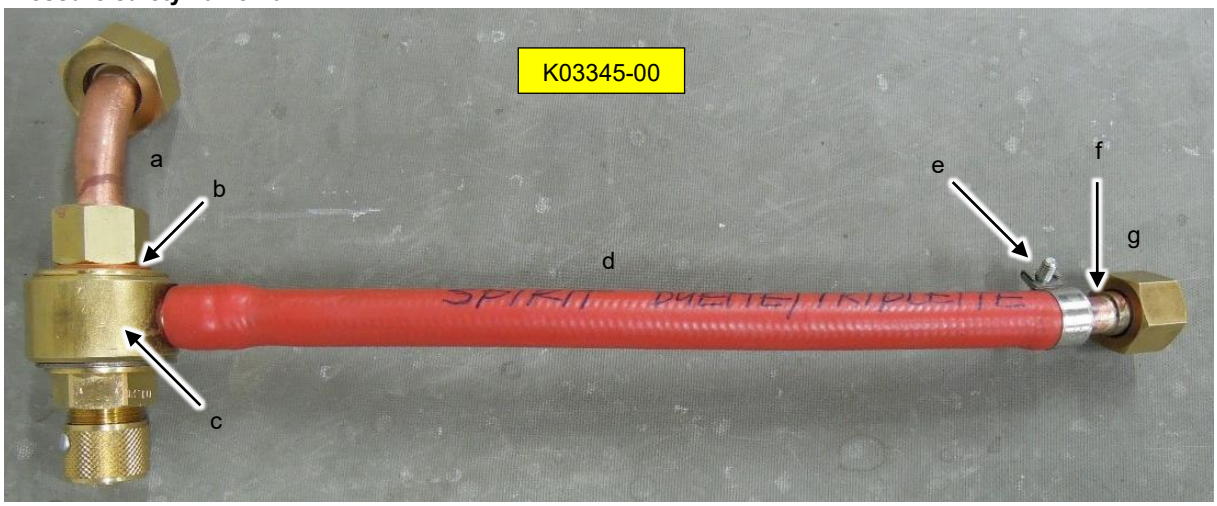
Frames	version	remark	Duette	Triplette
	v.0		~~R-B6025-DC K01038-00~~	~~R-B6025-TC K01040-00~~
Rev. .. - 18	v.1	fittings changed to s.st., boiler supports adapted	R-B6025-D K01038-01	R-B6025-T K01040-01
Rev. 19 - ..	v.2	connection for 3-way steam valve discharge	R-B6025-Dv2 K01038-02	R-B6025-Tv2 K01040-02
	v.3	new ball valve	K01038-03	K01040-03
	v.4	push-in expansion drain hoses	K01038-04	K01040-04





	Part number	Short description	remark
	K02282-00	push-in coupling, straight 1/8M - 6mm	
	C-HS-RT5x10	reinforced hose 5x10mm; red silicone	per meter
	C-HK-09-10	hose clamp 9-10.5mm; s.st.	

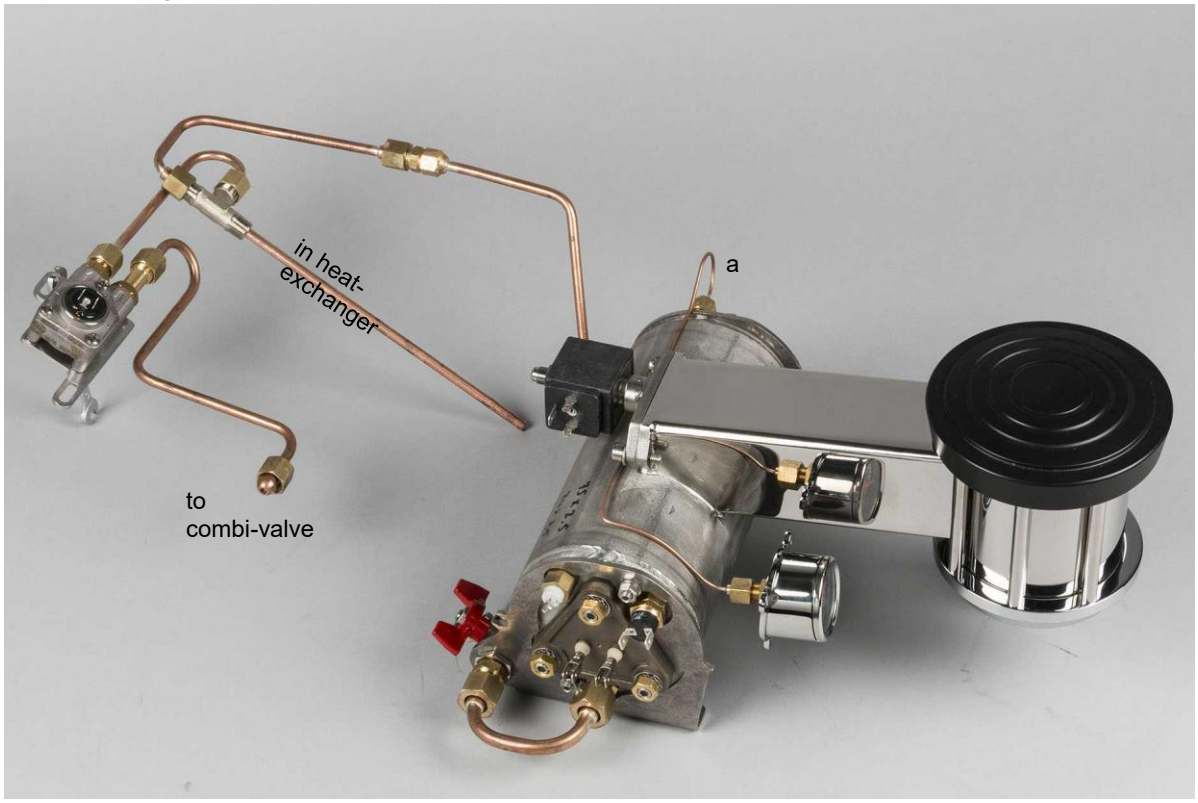
Pressure safety valve 2022



	Part number	Short description	remark
	K03345-00	assembly: pressure safety valve 3/8M-hose pillar; brass; with drain hose	for Duette and Triplette
a	K03311-00	12mm line, steam boiler -> pressure safety valve; copper	
b	K00784-00	ring 3/8”; copper	
c	K03195-00	pressure safety valve 3/8M-hose pillar; brass	
d	C-HS-RT8x14.5	reinforced hose, 8 x 14.5mm; red silicone, per meter	order 24 cm
e	K00631-00	hose clamp; s.st.	
f	K01070-00	10mm line; safety valve hose -> discharge pipe; copper	
g	L-W0038	swivel nut 3/8”; brass	

Coffee boiler

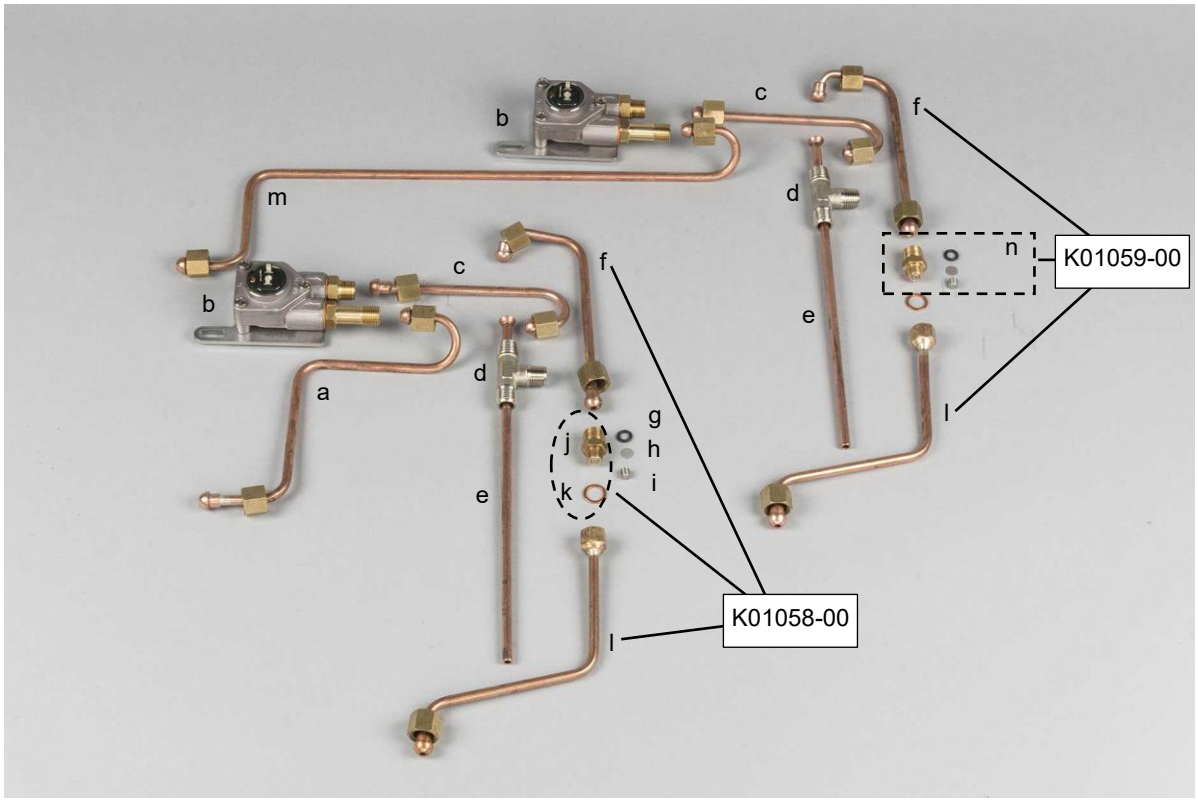
Duette and Triplette overview



	Part number	Short description	remark
a	K01659-00	2mm copper tube; coffee boiler ↔ pressure gauge	

The coffee-boiler group-valve base plate has changed to incorporate a pressure take-off in the form of a 4mm copper tubing with half-ball and 1/8” fitting nut. The tube (a) above now links onto the pressure take-off with a 1/8M-1/8M fitting instead of onto the coffee boiler.

Coffee boiler fill: Duette

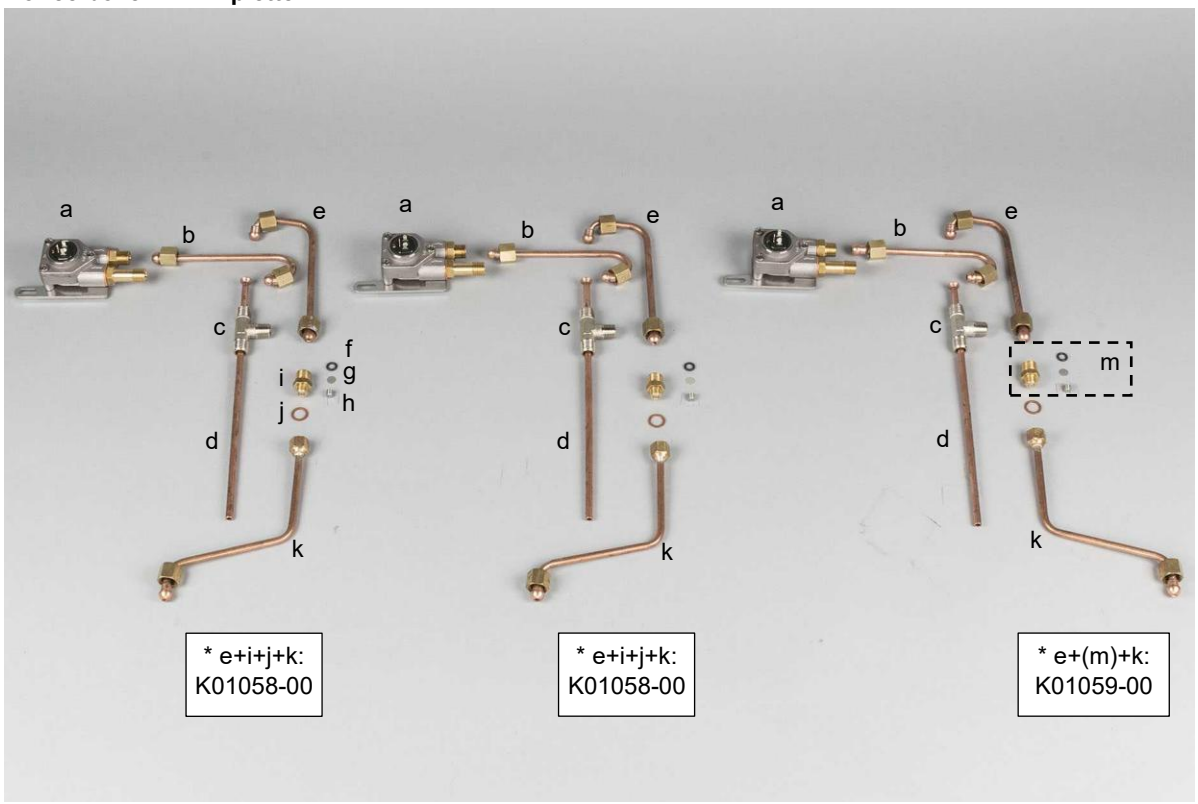


	Part number	Short description	remark
a		6mm copper tube; combi valve ↔ flow meter (Spirit Du&Tr-left)	see page 9, 11,
b		flow meter, complete (fittings, mounting plate)	see page 19
c		6mm copper tube; flow meter ↔ heat exchanger	see page 19
d	K01654-00	T-fitting 1/4M – 1/4M – 1/4M; nickel plated brass	
e	K01057-00	6mm copper tube; injection tube in heat exchanger (Spirit)	
f	K01969-01*	6mm copper tube; heat exchanger ↔ jet housing (Spirit)	08/2013 – 05/2017
g	K00837-01	O-ring Ø5.7x1.9mm; FKM, green or black	
h	K00779-00	perforated screen for jet housing; s.st.	
i	K00759-00	jet M6x6 orifice 0.5mm; s.st.	
	K00760-00	jet M6x6 orifice 0.6mm; s.st.	
	K00761-00	jet M6x6 orifice 0.7mm; s.st.	
	K00762-00	jet M6x6 orifice 0.8mm; s.st.	
j	K00773-00	jet housing 1/8M-1/4M; brass, with M6 inside thread	
k	K00786-00	ring 1/8”; copper	
l	K01970-00*	6mm copper tube; jet housing ↔ coffee boiler (Spirit)	* until 05/2017
m	K01053-00	6mm copper tube; combi valve ↔ flow meter (Spirit Du-right)	
n	K00775-00	jet in housing assembly; M6x6, orifice 0.6mm (blue marking)	K03262-00
nip	K03262-00	fitting-jet; 0.6mm; s.st.	
left	K01058-00	6mm copper tube: heat exchanger - coffee boiler left & centre	replaces items f - l, requires flat-jets
right	K01059-00	6mm copper tube: heat exchanger - coffee boiler right	

*** NOTES!**

- When the flat-jet was introduced in October 2016, the in-line jet M6x6 became obsolete. Some machines are produced with flat jet and subsequent empty in-line jet housing. In 2017 the tubing from heat exchanger to coffee boiler becomes a one-piece 6mm copper tube (K01059-00 right group and K01058-00 other groups) that replaces f+j+k+l above.
- When the combi-valves on the manifold were replaced, tubes “a” and “m” were changed as well.

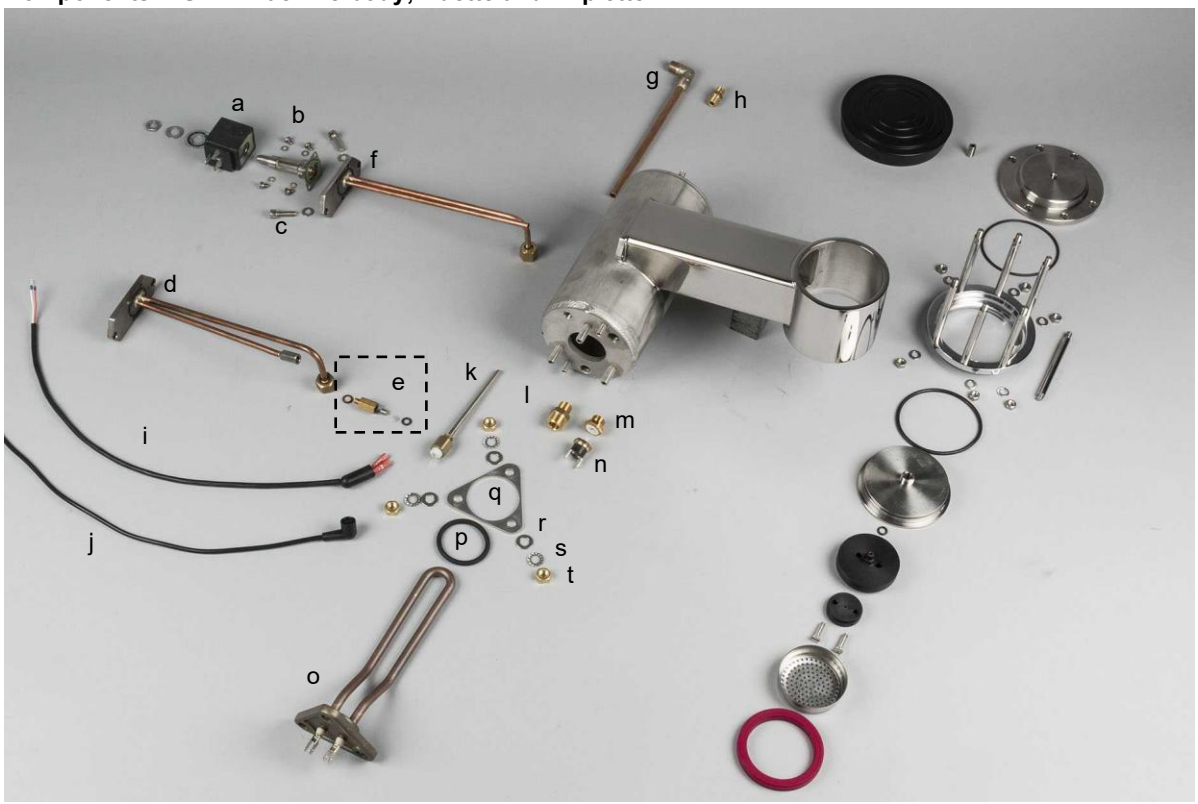
Coffee boiler fill: Triplette



	Part number	Short description	remark
a		flow meter, complete (fittings, mounting plate)	see page 19
b		6mm copper tube; flow meter ↔ heat exchanger	see page 19
c	K01654-00	T-fitting 1/4M – 1/4M – 1/4M; nickel plated brass	
d	K01057-00	6mm copper tube; injection tube in heat exchanger (Spirit)	
e	K01969-01*	6mm copper tube; heat exchanger ↔ jet housing (Spirit)	08/2013 – 05/2017
f	~~K00837-00~~	O-ring Ø5.7 x 1.9mm; FKM;	K00837-01
g	K00779-00	perforated screen for jet housing; s.st.	
h	K00759-00	jet M6x6 orifice 0.5mm; s.st.	
	K00760-00	jet M6x6 orifice 0.6mm; s.st.	
	K00761-00	jet M6x6 orifice 0.7mm; s.st.	
	K00762-00	jet M6x6 orifice 0.8mm; s.st.	
i	K00773-00*	jet housing 1/8M-1/4M; brass, with M6 inside thread	
j	K00786-00*	ring 1/8"; copper	
k	K01970-00*	6mm copper tube; jet housing ↔ coffee boiler (Spirit)	* until 05/2017
m	K00775-00	jet in housing assembly; M6x6, orifice 0.6mm (blue marking)	K03262-00
nip	K03262-00	fitting-jet; 0.6mm; s.st.	
nip	K01058-00	6mm copper tube: heat exchanger ↔ coffee boiler left & centre	
nip	K01059-00	6mm copper tube: heat exchanger ↔ coffee boiler right	
	K01058-00	6mm copper tube: heat exchanger - coffee boiler left & centre	
	K01059-00	6mm copper tube: heat exchanger - coffee boiler right	

*** NOTE!**
When the flat-jet was introduced in October 2016, the in-line jet M6x6 became obsolete. Some machines are produced with flat jet and subsequent empty in-line jet housing. In 2017 the tubing from heat exchanger to coffee boiler becomes a one-piece 6mm copper tube (K01058-00 and K01059-00) that replaces e+i+j+k above.

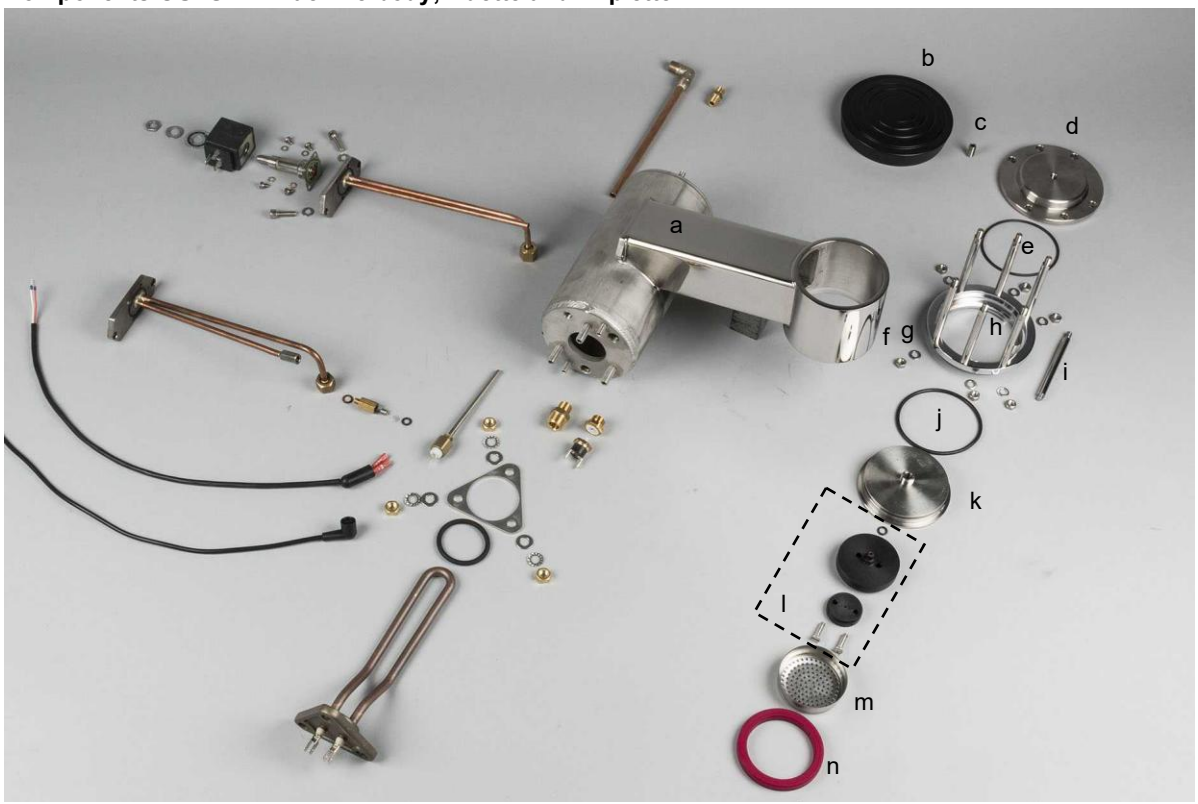
Components INSIDE machine body; Duette and Triplette



	Part number	Short description	remark
a	~~VSR-E1023-230~~	3-way flange valve, orifice 1.5mm; s.st., coil 230V (Parker)	K02996-00
b	C-SK-M4x06	Phillips screw din7985 M4x6; s.st.	see below *
	C-RT-M4	lock washer din6798A M4; s.st.	
c	C-BZ-M6x20	Allen bolt din912 M6x20; s.st.	
	C-RS-M6	washer din125A M6; s.st.	
nip	K02996-00	3-way flange valve, orifice 1.5mm; s.st., coil 230V (ODE)	
nip	C-BZ-M4x…	Allen bolt din912 M4x…; s.st.	
d		group valve mounting plate with tubing	replaced by f
e	K01710-00	in-group jet housing, complete	no longer used
f	K02026-00	group valve mounting plate with tubing (no O-ring)	see below *
	K01658-01	O-ring 25x2.5mm; Viton	
g	K01660-01	copper injection tubing 8mm with knee fitting 1/4M-1/4M; brass	
h	K01657-00	fitting 1/8M-1/8M; brass	
i	~~VMR-E1005-KR~~	temperature sensor cable; with fastons	see page 36
j	~~MR-E1005-KH~~	temperature sensor cable; 575mm, angular moulded plug	
k	~~SR-E1004-T~~	temperature sensor Pt-100 1/8M; 2-wire, 100mm (Tasseron)	
l	K00866-00	fitting 1/4M-3/8M; brass	
m	K01704-00	fitting 1/4M - M3F; brass	
n	K01668-00	overheat safety switch 107°C M4; automatic re-set	
o		coffee boiler heating element; 900W 230V, faston connectors	see page 54
p	K01656-02	O-ring 39x4.5mm; Viton	
q	K01676-00	triangular O-ring spacer for s.st. boiler, 3mm thick; s.st.	
r	C-RS-M8	washer din125A M8; s.st.	
s	C-RO-M8	lock washer din6797J M8; s.st.	
t	K01703-00	nut M8, 5mm thick; brass	

* The group-valve mounting plate with tubing has been changed (Oct. 2016) to incorporate a pressure take-off (K02112-02 screw-type bottom or K01709-03 adapter-type bottom).

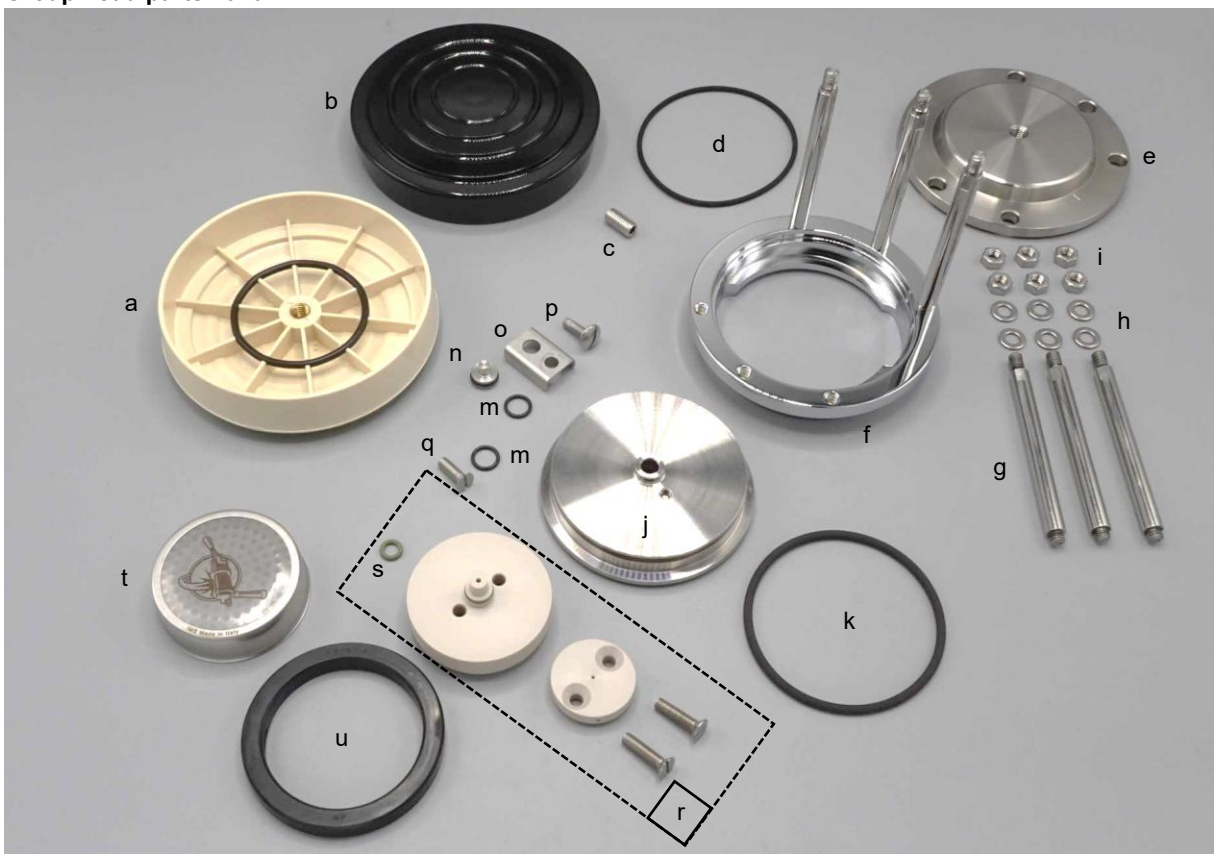
Components OUTSIDE machine body; Duette and Triplette



	Part number	Short description	remark
a	K01687-03	coffee boiler; wide long neck, s.st.	*
b	~~XSR-G1010~~	group protective cap; black POM	K01701-00
nip	~~VSR-G1010-B~~	group protective cap; black Bakelite	
	K01701-01	group protective cap; black Nylon PA6	*
	K02201-00	group protective cap; ivory Nylon PA6	
c	C-SS-M8x16	set screw din916 M8x16; s.st.	
d	K01689-02	group cover, bulged top; s.st.	
e	K03135-00	O-ring Ø75x2.5mm; FKM; FDA; top of group, standard size	
f	C-MH-M6	nut din934 M6; s.st.	
g	C-RS-M6	washer din125A M6; s.st.	
h	K01697-02	group bayonet; chromed brass (without rods)	* K01471-02
i	K01696-02	group head rod; s.st. (with tool-grip)	*
j	K01695-00	O-ring 71.44x3.53mm; Viton, bottom of group, standard size	
k	K02106-02	group base; threads seal version, s.st.	
nip	K01690-03	group base; O-ring seal version, s.st.	
nip	K01702-00	O-ring 9.1x1.6mm; Viton	on K01690-01
l	~~K00837-00~~	O-ring Ø5.7 x 1.9mm; FKM;	POM material no longer available, see K01700-03
	~~VSR-G1009~~	dispersion base and plate; black POM	
	C-SC-M5x20	machine screw din963 M5x20; s.st.	
nip	K01700-03	dispersion set; beige PEEK (base, plate, O-ring, screws)	
m	K00824-00	group screen with KvdW logo; s.st.	
n	K00826-00	group ring (if bayonet wears out, use thicker group-ring) colour may vary. 8.0mm is standard-size.	8.0mm
	K00827-00		8.5mm
	K00828-00		9.0mm

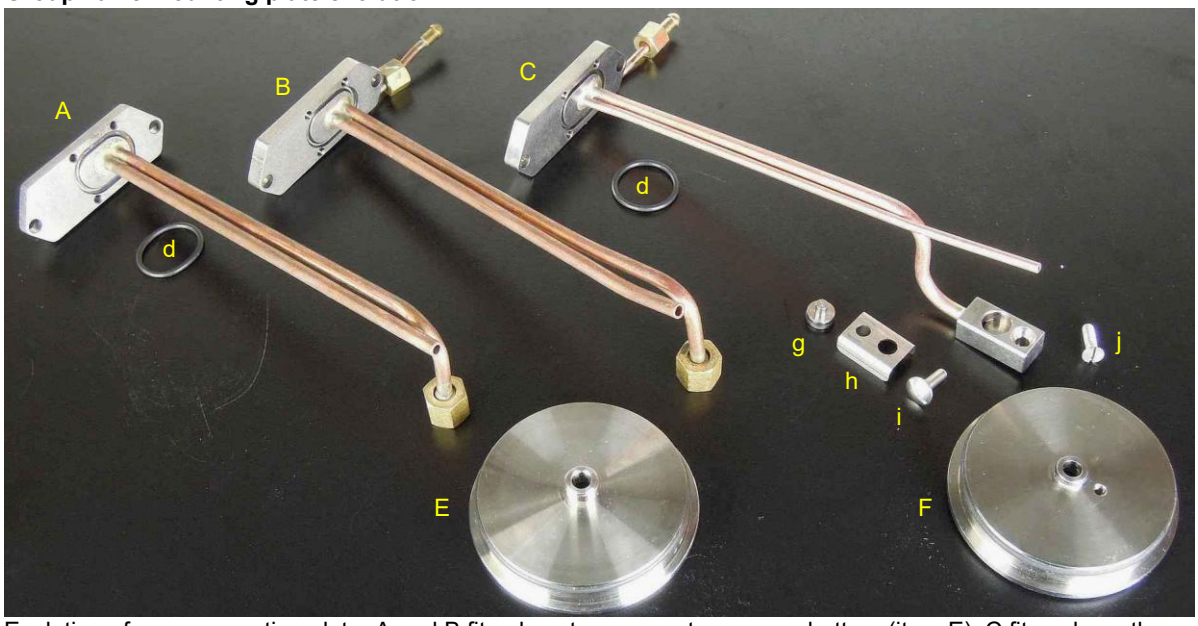
* RAW version available, contact us.

Group head parts 2020



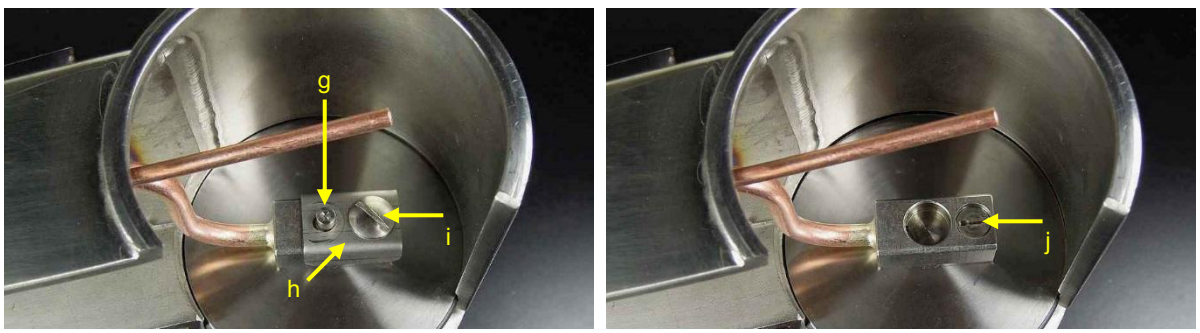
	part number	short description	remark
a	K02201-02	group protective cap; PC-ABS, ivory (with O-ring)	
b	K01701-03	group protective cap; PC-ABS, black (with O-ring)	
c	C-SS-M8x16	set screw din916 M8x16; s.st.	
d	K03135-00	O-ring Ø75x2.5mm; FKM; FDA; top of group, standard size	
e	K01689-02	group cover, bulged top; s.st.	
f	K01697-02	group bayonet; chromed brass (without rods)	
g	K01696-02	group head rod; s.st. (M6, with tool-grip)	
h	C-RS-M6	washer din125A M6; s.st.	
i	C-MH-M6	nut din934 M6; s.st.	
j	K01690-03	group base, O-ring seal version; s.st.	
k	K01695-01	O-ring Ø71.44x3.53mm; FKM, group base, standard size	
m	K01702-00	O-ring Ø9.1x1.6mm; FKM 75 ShA	
n	K01717-00	plug for adapter group line; s.st.	
o	K01716-03	lid for adapter group line; s.st.	
p	C-SZ-M5X16	slotted mushroom head screw NF E25-129, M5x16mm	
q	C-SC-M5X16	countersunk screw din963 M5x16; s.st.	
r	K01700-03	dispersion set; beige PEEK (base, plate, O-ring, screws)	
s	K00837-01	O-ring Ø5.7x1.9mm; FKM, green or black	
t	K00824-00	group screen with KvdW logo; s.st.	
u	K00826-00	group ring; 8.0mm (Arinca)	

Group valve mounting plate evolution



Evolution of group mounting plate: A and B fit only onto a screw-type group bottom (item E), C fits only on the adapter-type group bottom (item F). B and C have a 55mm take-off to connect the pressure gauge onto. On B and C the pressure gauge will show the actual pressure onto the coffee bed. The adapter on C is screwed down to the group bottom with machine screw (item g) when an Idro matic unit is placed into the group.

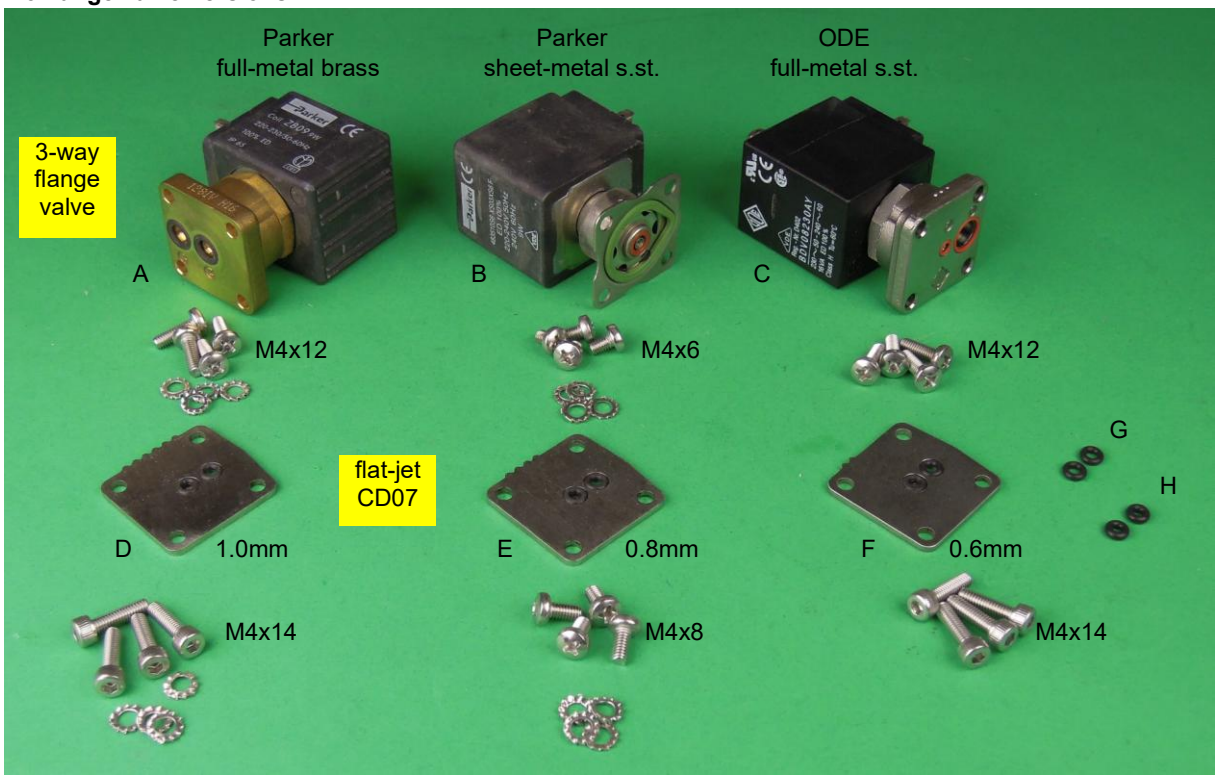
	Part number	Short description	remark
A	ZR-G6042	group valve mounting plate with tubing (no O-ring)	
B	K02112-02	group valve mounting plate with short PPIC tube (compression seal)	
C	K01709-03	group valve base with two tubes in group + 55mm line + adapter	
d	K01658-01	O-ring 25x2.5mm; Viton	
E	K02106-02	group base; threads seal version, s.st.	
	K01695-00	O-ring 71.44x3.53mm; Viton, bottom of group, standard size	
F	K01690-01	group base; O-ring seal version, s.st.	note threads on inside of group base
	K01695-00	O-ring 71.44x3.53mm; Viton, bottom of group	
	K01702-00	O-ring 9.1x1.6mm; Viton	
g	K01717-00	plug for adapter group line; s.st.	plug is used when no Idro-matic is placed
	K01702-00	O-ring 9.1x1.6mm; Viton	
h	K01716-03	lid for adapter group line; s.st.	
i	C-SZ-M5x16	slotted mushroom head screw din9330 M5x16mm; s.st.	
j	C-SC-M5x16	countersunk screw din963 M5x15; s.st.	with Idro-matic



Showing preparation for without (left) and with Idro-matic (right)

Solenoid flange valve evolution and use of flat-jets

2/3 flange valve-versions



Correct screw size depends on what flange-valve is installed and if a flat-jet is mounted. Note different sealing rings on the different valves.

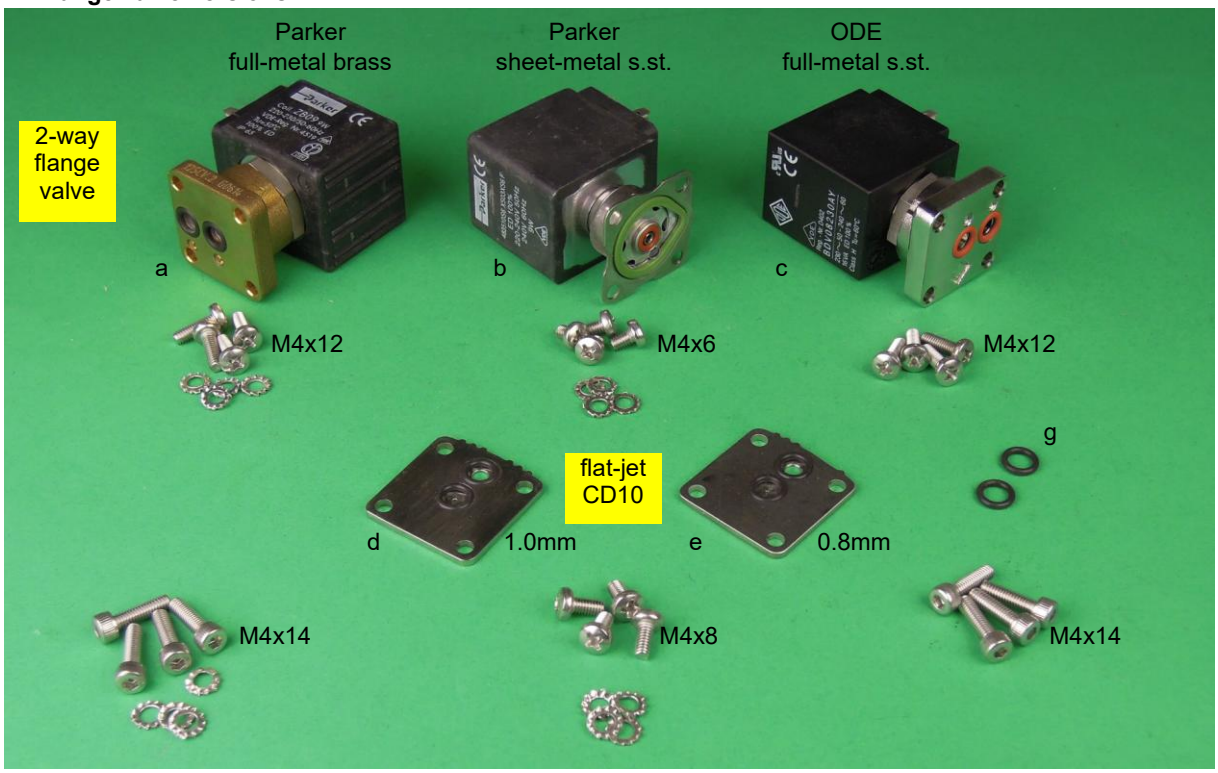
The available sizes flat-jets CD07 are shown that are used underneath the 3-way (group) valve. Be aware that 0.6mm orifice is the standard size (for all three valves).

Note the protrusions on the side of the plate and the O-rings used for sealing. The O-rings with larger cross section (H) are to be used only in older machines when the standard O-rings (G) do not seal.

			replacement sealing	
	part number	**short description**	**small**	**large**
A	ZK02076-00	3-way valve full-metal brass	B6003-O = K00791-00	
B	VK01672-00	3-way valve sheet-metal s.st.	E1023-KO	E1023-O
C	K02996-00	3-way valve full-metal s.st.	K03022-00	K03023-00
D	K01714-00	flat-jet CD07; 1.0mm orifice	(G) standard: G6043-O K01413-00	(H) oversize: G6054-O K01414-00
E	K01713-00	flat-jet CD07; 0.8mm orifice		
F	K01711-00	flat-jet CD07; 0.6mm orifice		

part number	short description
C-SK-M4x06	Phillips screw din7985 M4x6; s.st.
C-SK-M4x08	Phillips screw din7985 M4x8 s.st.
C-SK-M4x12	Phillips screw din7985 M4x12; s.st.
C-BZ-M4x14	Allen bolt din912 M4x14mm; s.st.

2/2 flange valve-versions



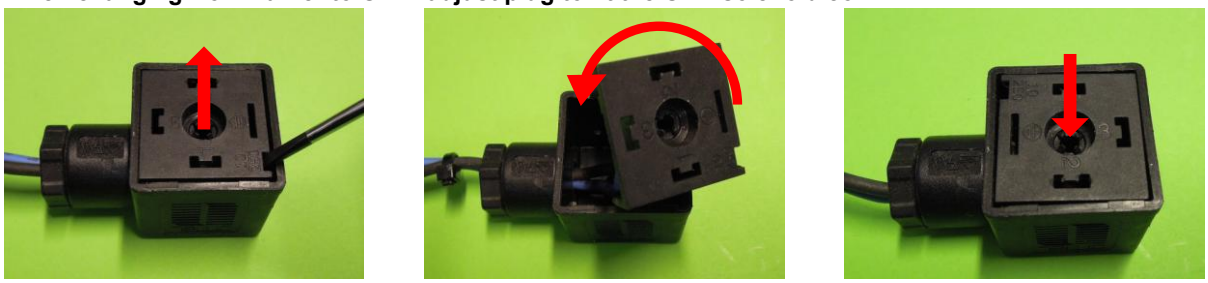
Correct screw size depends on what flange-valve is installed and if a flat-jet is mounted. Note different sealing rings on the different valves.

The available different size flat-jets CD10 are shown that are used underneath the 2-way valves. Note the protrusions on the side of the plate and the larger-size O-rings used for sealing (w.r.t. the CD07 flat-jets).

			replacement sealing	
	part number	**short description**	**small**	**large**
a	VK02345-00	2-way valve full-metal brass	(g) B6003-O = K00791-00	
b	K00818-00	2-way valve sheet-metal s.st.	E1023-KO	E1023-O
c	K02452-00	2-way valve full-metal s.st.	(g) B6003-O = K00791-00	
d	K01664-00	flat-jet CD10; 1.0mm orifice		
e	K01663-00	flat-jet CD10; 0.8mm orifice		

part number	short description
C-SK-M4x06	Phillips screw din7985 M4x6; s.st.
C-SK-M4x08	Phillips screw din7985 M4x8 s.st.
C-SK-M4x12	Phillips screw din7985 M4x12; s.st.
C-BZ-M4x14	Allen bolt din912 M4x14mm; s.st.

When changing from Parker to ODE: adjust plug to fit the ODE solenoid coil



Lift the interior part of the plug out and rotate 180 degrees to the position needed. In some instances, it should not be mounted as on the last photo.

Flow restriction: flat-jets and in-line jets

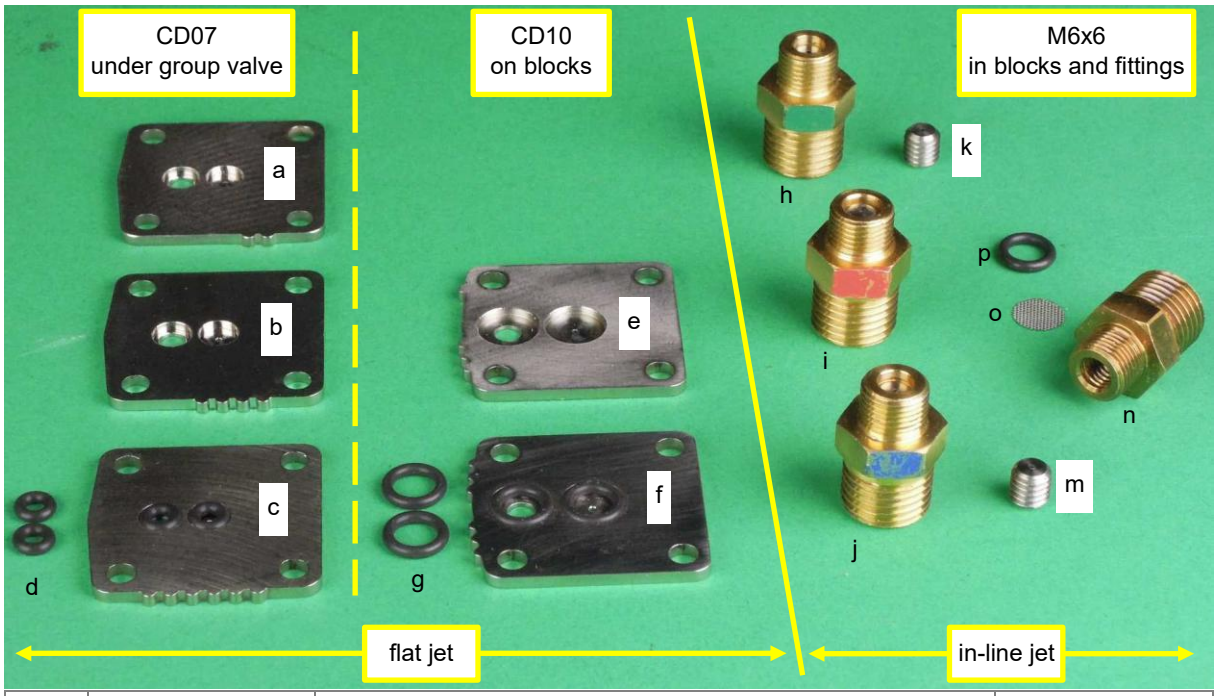
Flow-rate in the machine is tuned down with the aid of small orifices. In the Spirit, these can either be an in-line jet, or a so-called flat-jet. The in-line jet is a set-screw with a small opening (= orifice) drilled in the centre, a flat-jet is a metal plate mounted underneath a (solenoid) flange valve with one small and one larger opening.

Coffee system

In earlier Spirits, there is an in-line jet in the line between heat exchanger and coffee-boiler. In later Spirits, the in-line jet is removed and a flat-jet (0.6, 0.8 mm) is mounted underneath the group-valves. These flat-jets have a distance of 7 mm between the openings to line-up with the group-valve mounting plate. The amount of notches on the “side” of the plate indicate orifice size.

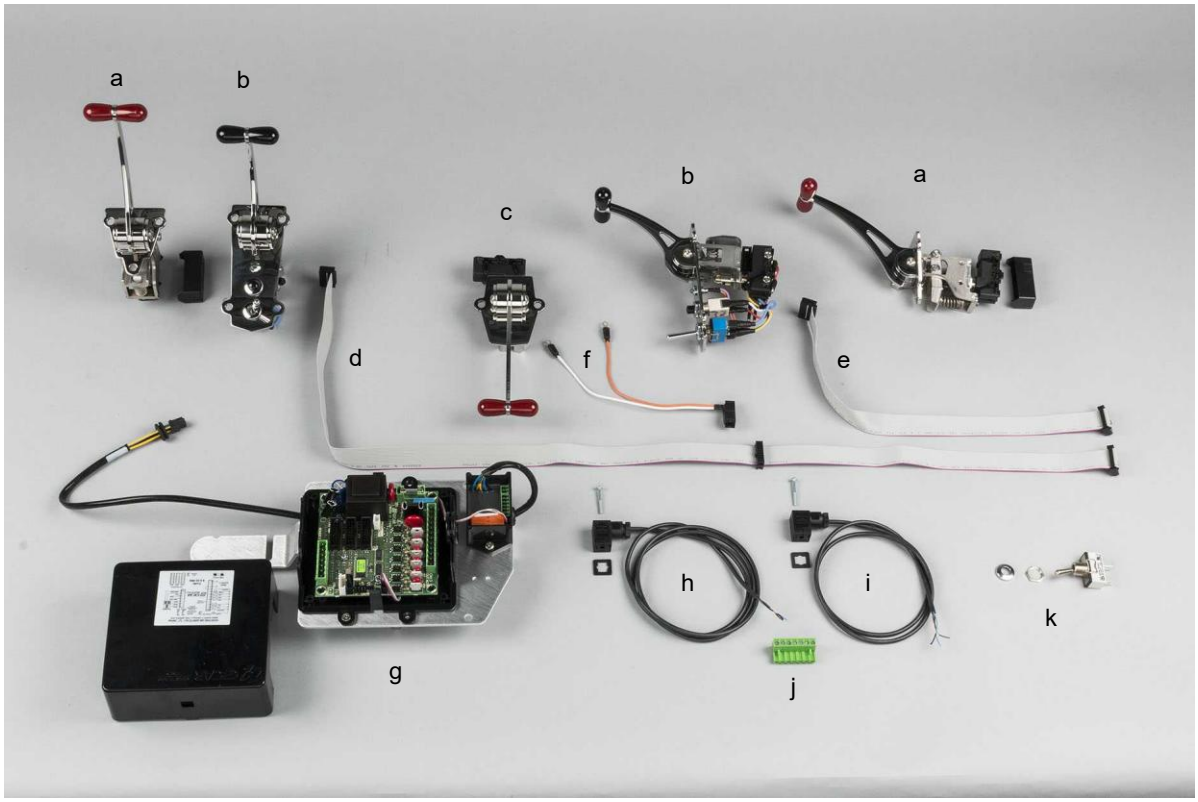
Fill and mix-water

In earlier Spirits, there are in-line jets in the manifold at the cold-water and fill-valve. In later Spirits, these in-line jet are removed and flat-jets are mounted underneath the cold-water and fill-valve. These flat-jets have a distance of 10 mm between the openings to line-up with the manifold. The amount of notches on the “front” of the plate indicate orifice size.



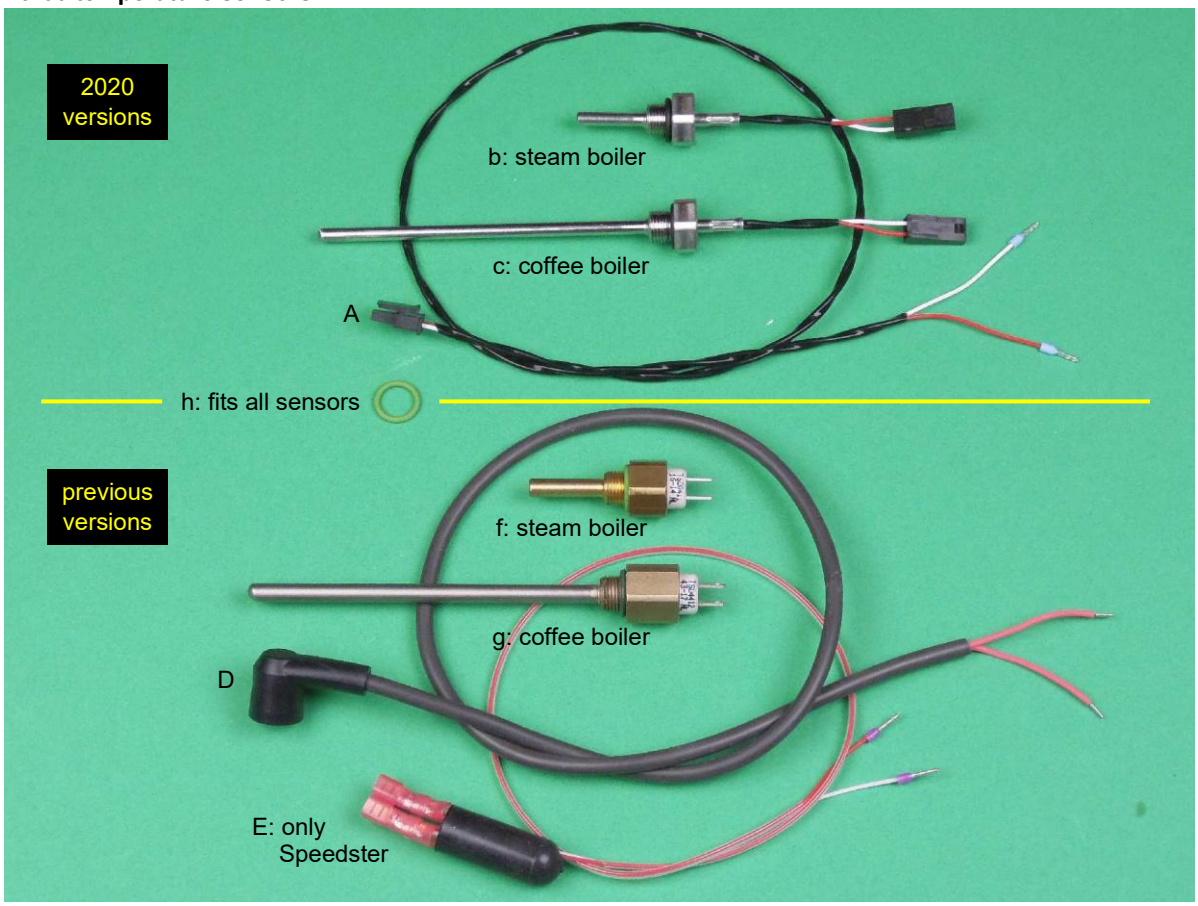
	Part number	Short description	remark
a	K01711-00	flat-jet CD07mm, 0.6mm; s.st.	2 notches
b	K01713-00	flat-jet CD07mm, 0.8mm; s.st.	4 notches
c	K01714-00	flat-jet CD07mm, 1.0mm; s.st.	6 notches
d	K01413-00	O-ring Ø2.57 x 1.78mm; FKM75 (for flat-jet CD07)	
e	K01663-00	flat-jet CD10mm; 0.8mm; s.st.	4 notches
f	K01664-00	flat-jet CD10mm; 1.0mm; s.st.	6 notches
g	K00791-01	O-ring Ø6.07x1.78mm; FKM75 (for flat-jet CD10)	
h	K00777-00	jet in housing assembly; M6x6, orifice 1.0mm (green marking)	
i	K00776-00	jet in housing assembly; M6x6, orifice 0.8mm (red marking)	K03263-00
nip	K03263-00	fitting-jet; 0.8mm; s.st. (is replacement for K00776-00)	
j	K00775-00	jet in housing assembly; M6x6, orifice 0.6mm (blue marking)	K03262-00
nip	K03262-00	fitting-jet; 0.6mm; s.st. (is replacement for K00775-00)	
k	K00764-00	jet M6x6 orifice 1.0mm; s.st.	
nip	K00762-00	jet M6x6 orifice 0.8mm; s.st.	
m	K00760-00	jet M6x6 orifice 0.6mm; s.st.	
n	K00773-00	jet housing 1/8M-1/4M; brass, with M6 inside thread	
o	K00779-00	perforated screen for jet housing; s.st.	
p	K00837-01	O-ring Ø5.7 x 1.9mm; FKM, black or green	

Machine control; Duette and Triplette



	Part number	Short description	remark
a		steam handle (shown is version 3)	see pages 37-39
b		group handle (shown is version 3)	see pages 42-44
c		hot water handle (shown is version 2)	see page 45
d		flat cable 8x2 910mm with HW-socket	see page 48
e		flat cable 8x2 550mm	
f		hot water cable Spirit	
g		main controller Gicar	
		controller mounting plate Spirit; aluminium	
		combi-PCB for shot timers and steam boiler pump control	
h		flow meter cable 1150mm	
i		flow meter cable 850mm	
j		7-pole plug; green	
k		toggle switch	

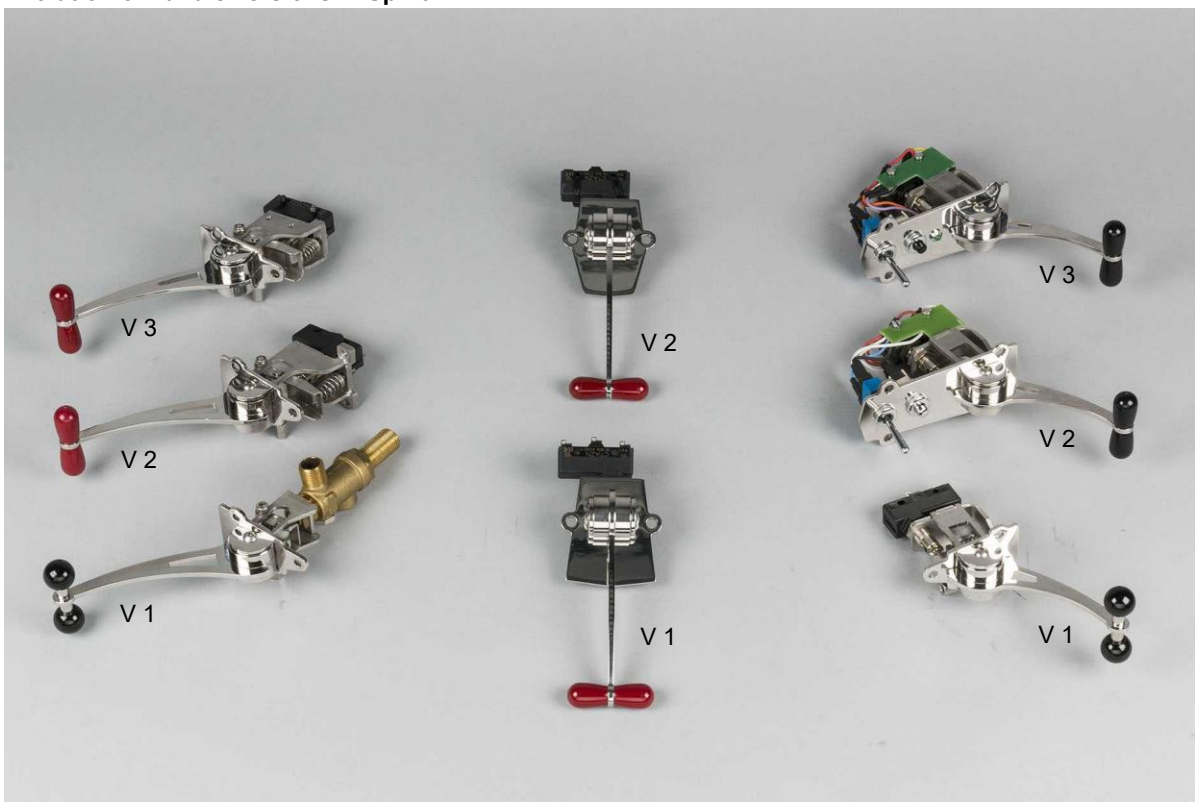
Pt100 temperature sensors



	Part number	Short description	remark
A	K03007-00	sensor cable 2-wire, Pt100, 575mm, Molex > ferrule	
b	K03006-00	temperature sensor, Pt100, 27mm; s.st. with Molex	
C	K03005-00	temperature sensor, Pt100, 100mm; s.st. with Molex	
D	~~MR-E1005-KH~~	temperature sensor cable; 575mm, angular moulded plug	
E	~~S-E1005-KS~~	temperature sensor cable 450mm with fastons	not used in Spirit
	C-HK-G	heat resistant cap, 9.5x25.4mm	
f	~~MSR-E1005-LV~~	temperature sensor Pt100 1/8M; 2-wire, 27mm (Tasseron)	
g	~~SR-E1004-T~~	temperature sensor Pt-100 1/8M; 2-wire, 100mm (Tasseron)	
h	K02286-00	O-ring; Ø9,25 x 1,78 mm; Viton green	

Note: When replacing previous version sensor with 2020 version, also replace the sensor-cable.

Evolution of handle versions in Spirit

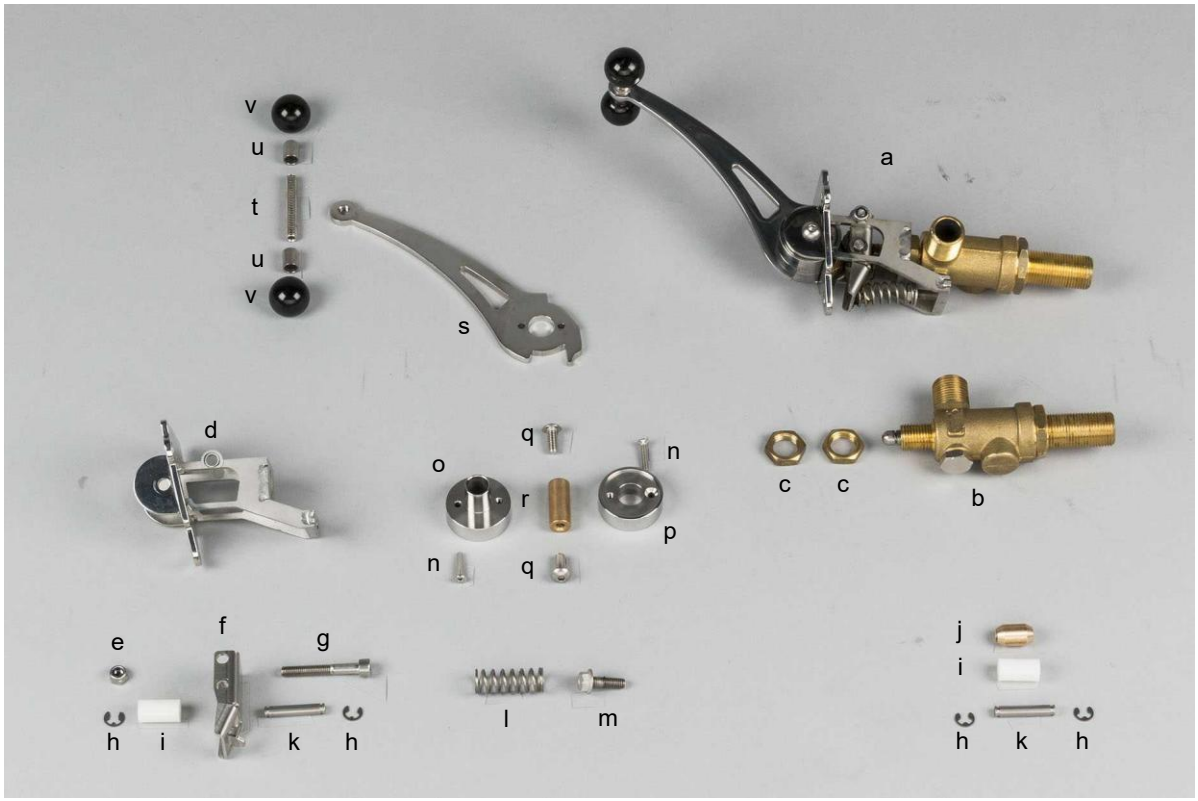


Left: steam handles version 1-2-3. Version 1 (bottom) is the mechanical steam valve. The mounting bracket of version 3 (top) is a bit different than that of version 2 (centre).

Centre: hot water handles version 1-2. Only the shape of the mounting bracket has changed from trapezoidal (bottom) to hexagonal (top).

Right: Bastone group handles versions 1-2-3. The earliest version (bottom) functions as a single switch without extra's. Program and volume switch were added (centre) to offer better functionality and subsequently an indicator light (top).

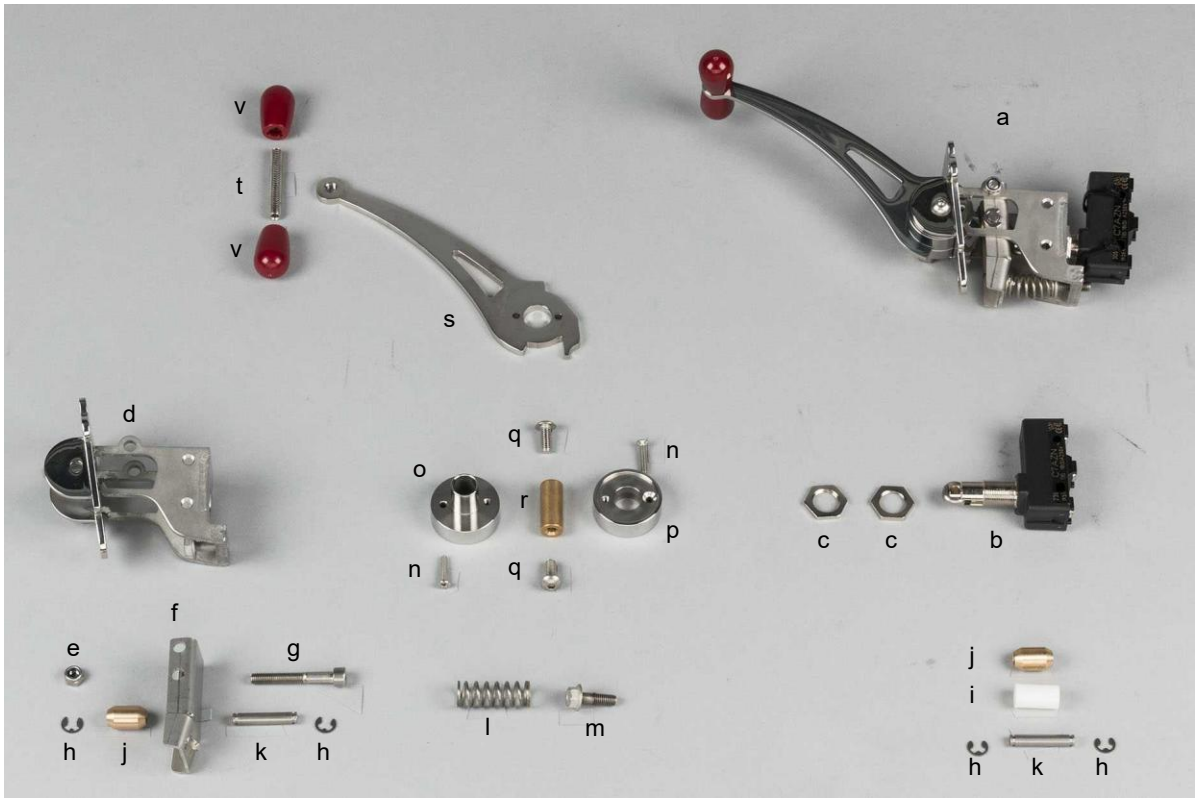
Steam handle, mechanical version (# 000-137)
Various items are no longer available, see * below.



	Part number	Short description	remark
a	~~XVR-S6009-C~~	mechanical steam handle assembly Spirit	see below *
b	~~XVR-S6020-A~~	mechanical steam valve Spirit; brass	
c		brass flat nut	included with b
d	~~XVR-S6003~~	steam handle bracket Spirit; model 1, polished s.st.	
e	C-MB-M5	lock nut din985 M5; s.st.	
f	~~XVR-S6004~~	rocker profile; s.st. (for steam handle bracket XVR-S6003)	
g	C-BZ-M5x35	Allen bolt din912 M5x35; s.st.	
h	C-VA-M4	circlip din6799 M4; s.st.	
i	no longer available	bushing for rocker profile; Teflon	K01468-00
j	K01468-00	bushing 10x18mm, ID5mm; bronze (for rocker profile)	
k	K01440-00	axle Ø 6mm; s.st. (for bushing K01468-00)	
l	K00684-00	spring; s.st. (appr. 1x9x31mm)	
m	K01635-00	adjusting screw M5 for spring; s.st., length 20mm	
n	C-SV-M3x16	Phillips machine screw din965 M3x16; s.st.	
o	K01442-00	handle spacer Spirit with protrusion; s.st.	
p	K01441-00	handle spacer Spirit without protrusion; s.st.	
q	C-BI-M5x12	Allen screw iso7380 M5x12; s.st.	
r	K01439-00	axle for handle spacer 01442-00 with M5 threads; bronze	
s	~~XVR-S6002~~	steam valve handle Spirit; polished s.st.	
t	C-SS-M6x50	set screw din916 M6x50; s.st.	
u	ZK02102-00	knob-spacer; polished s.st.	
v	ZK02103-00	handle knob M6; black plastic, ball shaped	

* The mechanical steam valve(s) can be replaced by an upgrade to electrical valve.
K01490-00 Spirit electrical steam valve upgrade kit (single side)

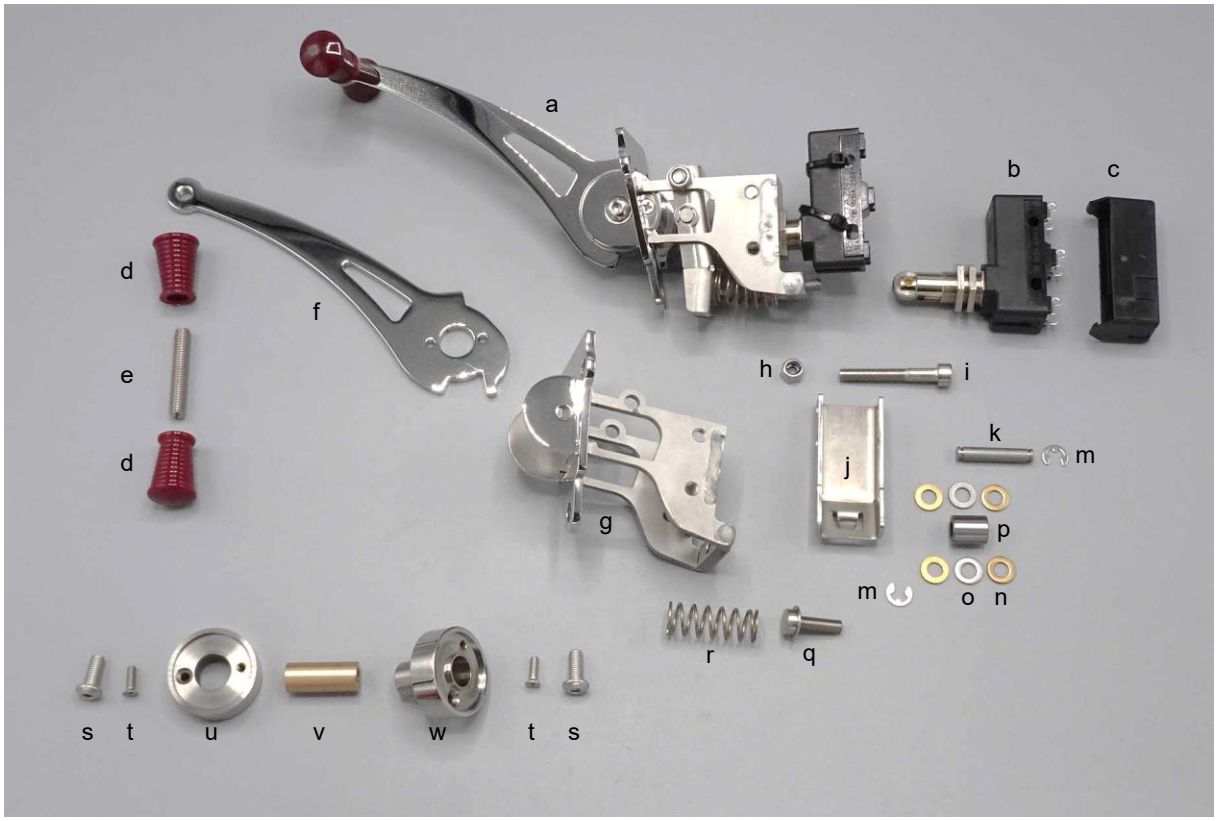
Steam handle, electrical version



	Part number	Short description	remark
a	K01469-00	electric steam handle assembly Spirit	* K01470-00
b	K01678-00	wheeled plunger switch; with flat nuts	
c		flat nut, part of 01678-00	
nip	K01679-00	cap for wheeled plunger switch (K01678-00)	
d	K01465-00	steam handle bracket Spirit; model 3, polished s.st.	retrofit model 2
e	C-MB-M5	lock nut din985 M5; s.st.	
f	K01466-00	rocker profile; s.st. (for steam handle bracket)	
g	C-BZ-M5x35	Allen bolt din912 M5x35; s.st.	
h	C-VA-M4	circlip din6799 M4; s.st.	
i	no longer available	bushing for rocker profile; Teflon	K01468-00
j	K01468-00	bushing 10x18mm, ID5mm; bronze (for rocker profile)	see next page
k	K01440-00	axle Ø 6mm; s.st. (for bushing K01468-00)	
l	K00684-00	spring; s.st. (appr. 1x9x31mm)	
m	K01635-00	adjusting screw M5 for spring; s.st., length 20mm	
n	C-SV-M3x16	Phillips machine screw din965 M3x16; s.st.	
o	K01442-00	handle spacer Spirit with protrusion; s.st.	
p	K01441-00	handle spacer Spirit without protrusion; s.st.	
q	C-BI-M5x12	Allen screw iso7380 M5x12; s.st.	
r	K01439-00	axle for handle spacer K01442-00 with M5 threads; bronze	
s	K01464-00	steam valve handle; polished s.st.	
t	C-SS-M6x35	set screw din916 M6x35; s.st.	
v	K01685-00	handle knob M6; red plastic, rugby-ball shaped	
nip	K01686-00	handle knob M6; black plastic, rugby-ball shaped	
	K02388-01	handle knob, ribbed, M6F; red Nylon PA6	custom shape
	K02389-01	handle knob, ribbed, M6F; black Nylon PA6	
	K02390-01	handle knob, ribbed, M6F; Ivory Nylon PA6	

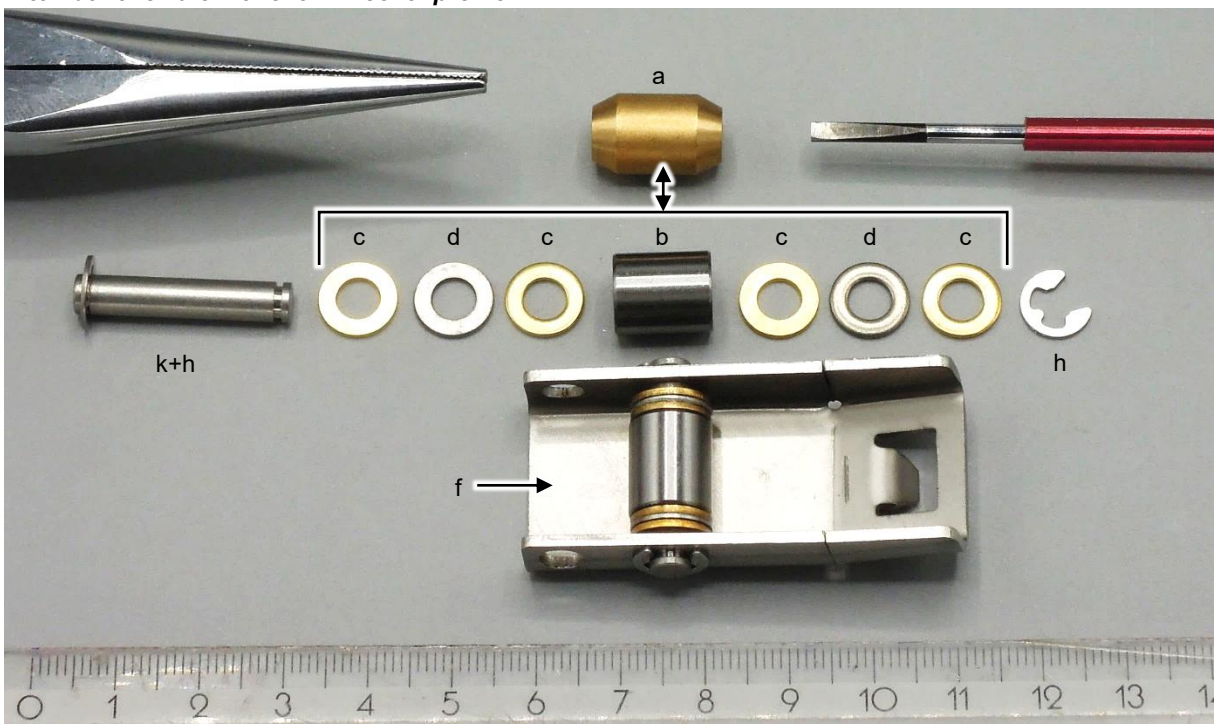
* RAW version of part

Steam handle 2020



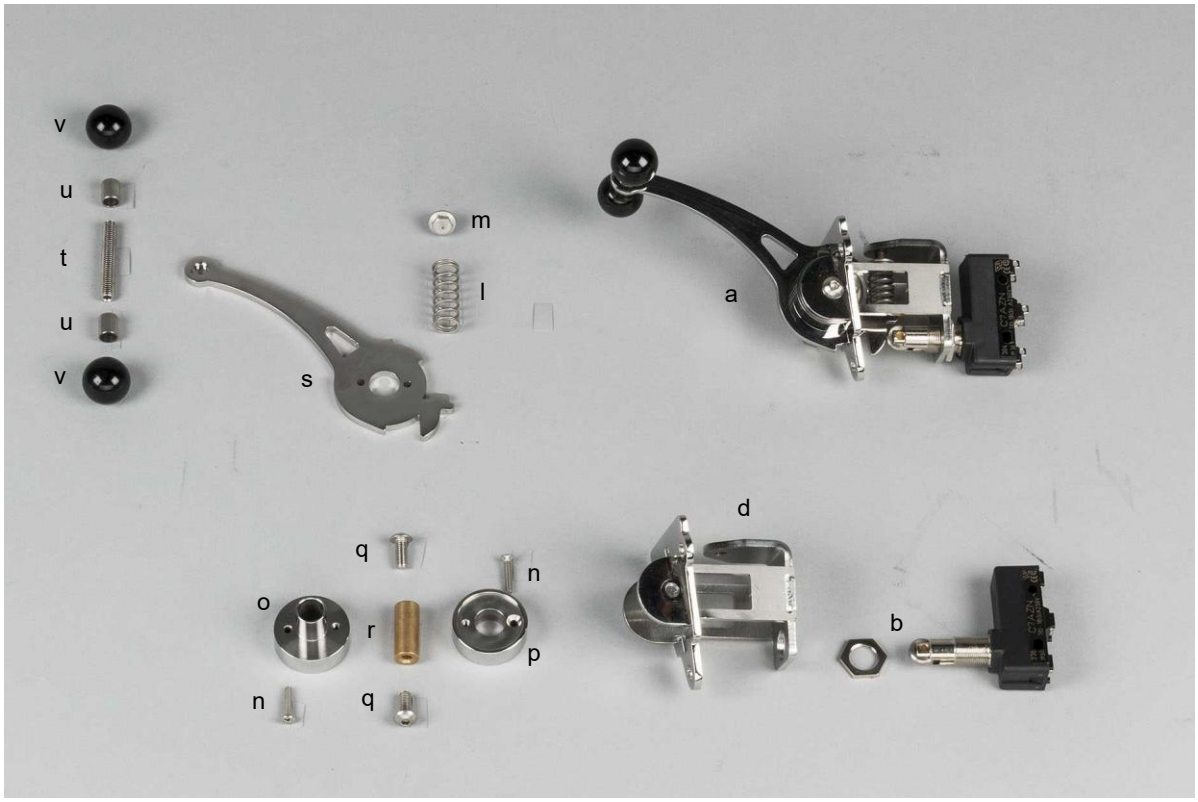
	Part number	Short description	remark
a	K01469-01	electric steam handle assembly Spirit	* K01470-00
b	K01678-00	wheeled plunger micro switch, SPDT, 5A/250Vac : 3A/30Vdc	
c	K01679-00	cap for wheeled plunger micro-switch (K01678-00)	
d	K02388-01	lever knob, ribbed, M6F; red Nylon PA6	
e	C-SS-M6x35	set screw din916 M6x35; s.st.	
f	K01464-00	steam valve handle Spirit; polished s.st.	
g	K01465-00	bracket for steam handle Spirit; model 3, polished s.st.	retrofit model 2
h	C-MB-M5	lock nut din985 M5; s.st.	
i	C-BZ-M5x35	Allen bolt din912 M5x35; s.st.	
j	K01466-00	rocker profile; s.st. (for steam handle bracket)	
k	K01440-00	axle Ø5x26.5mm; s.st. (for rocker profile K01466-00)	
m	C-VA-M4	circlip din6799 M4; s.st.	
n	C-RS-M5-M	washer din125A M5, brass	
o	C-RS-M5	washer din125A M5, s.st.	
p	K03588-00	needle bearing 5x10x12mm; st. (for Spirit rocker profile)	
q	K01635-00	spring adjuster M5x20; s.st.	
r	K00684-00	spring; s.st. (appr. 1xØ9x31mm) - Bastone & steam handles	
s	C-BI-M5x12	Allen screw iso7380 M5x12; s.st.	
t	C-SV-M3x16	countersunk Phillips screw din965 M3x16; s.st.	
u	K01441-00	handle spacer Spirit without protrusion; s.st..	
v	K01439-00	axle for handle spacer K01442-00 with M5 threads; bronze	
w	K01442-00	handle spacer Spirit with protrusion; s.st.	

Alternative for bronze roller in rocker profile



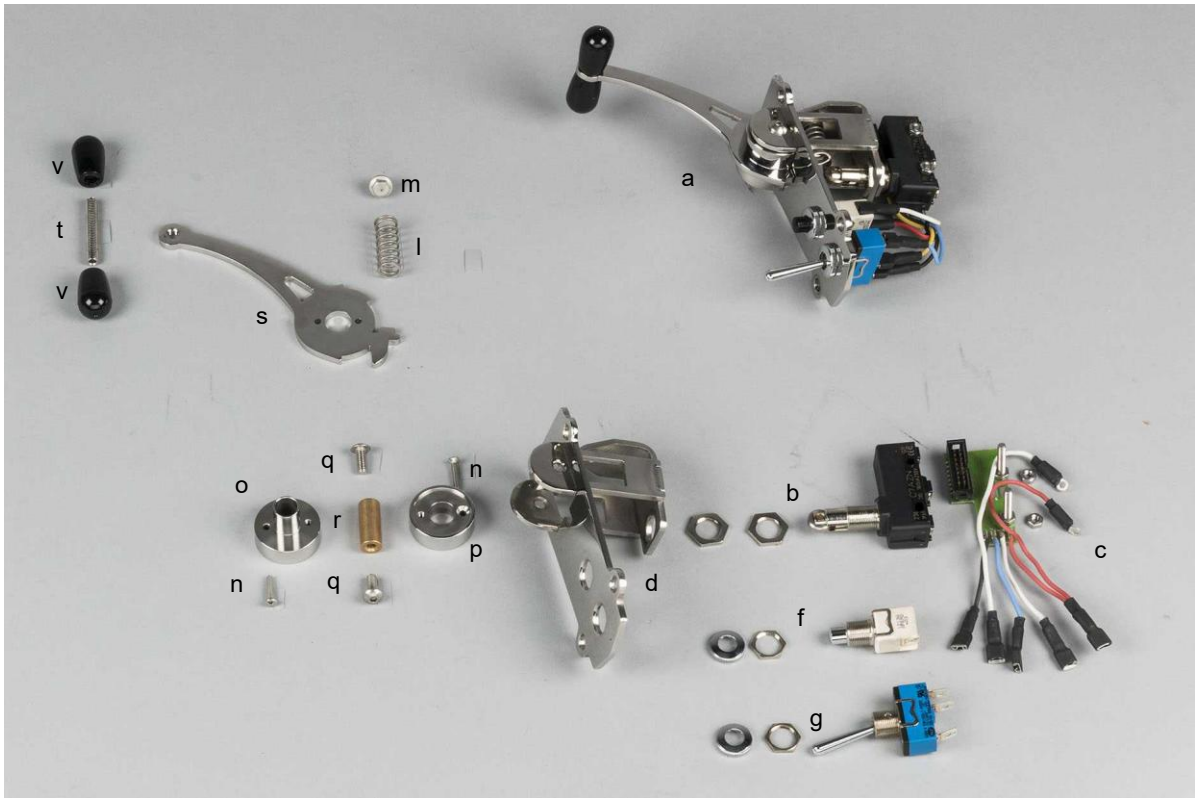
	Part number	Short description	remark
a	K01468-00	bushing 10x18mm, ID5mm; bronze (for rocker profile)	
b	K03588-00	needle bearing 5x10x12mm; s.st. (for Spirit rocker profile)	replaces a
c	C-RS-M5-M	washer din125A M5, brass	
d	C-RS-M5	washer din125A M5; s.st.	
lower part shows how to build up the axle with washers and needle bearing			
f	K01466-00	rocker profile; s.st. (for steam handle bracket)	
h	C-VA-M4	circlip din6799 M4; s.st.	
k	K01440-00	axle Ø 6mm; s.st.	

Bastone group handle, version 1
(no switches)



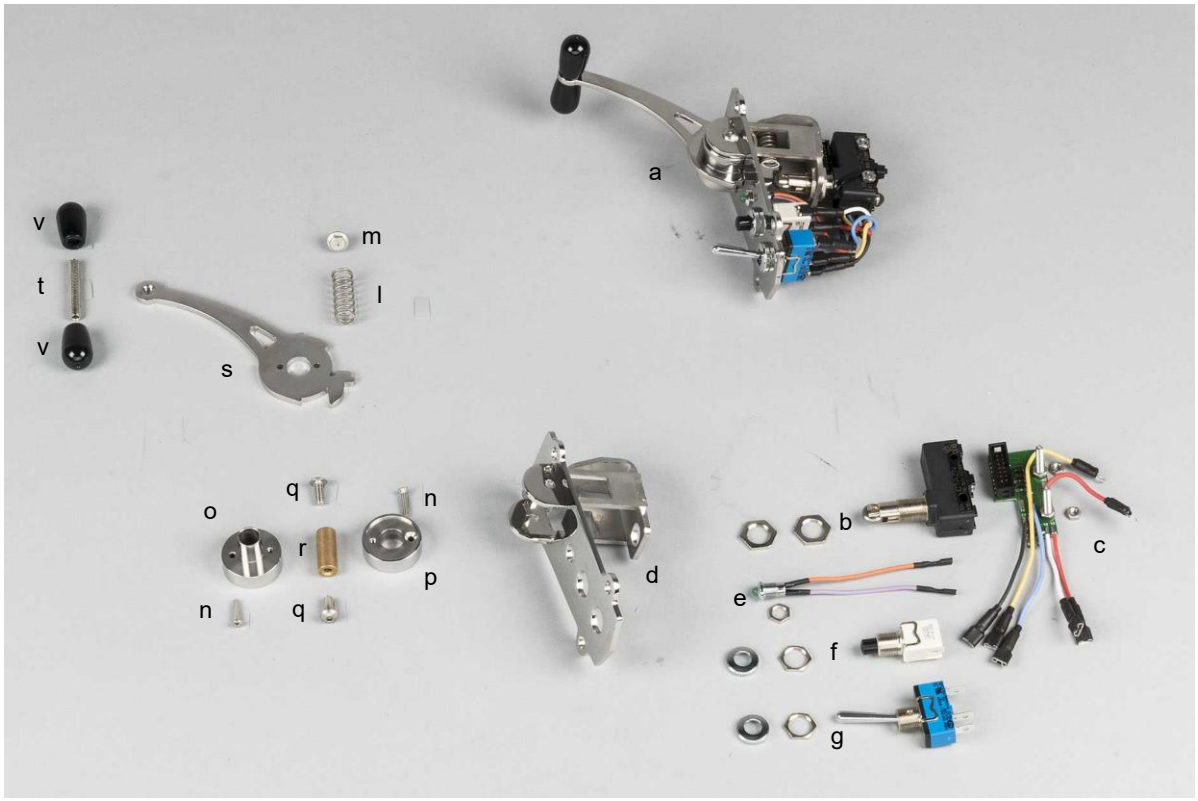
	Part number	Short description	remark
a	~~R-G6020~~	Bastone group handle assembly Spirit; version 1	without t, u, v
b	K01678-00	wheeled plunger switch; with flat nuts	
d	~~ZR-G6022~~	group handle bracket Spirit; model 1, polished s.st.	made on order
l	K00684-00	spring; s.st. (appr. 1x9x31mm)	
m	K01366-00	adjusting screw M5 for spring; s.st., length 12mm	
n	C-SV-M3x16	Phillips machine screw din965 M3x16; s.st.	
o	K01442-00	handle spacer Spirit with protrusion; s.st.	
p	K01441-00	handle spacer Spirit without protrusion; s.st.	
q	C-BI-M5x12	Allen screw iso7380 M5x12; s.st.	
r	K01439-00	axle for handle spacer 01442-00 with M5 threads; bronze	
s	K01409-00	group handle Spirit Bastone; polished s.st.	made on order
t	C-SS-M6x50	set screw din916 M6x50; s.st.	
u	K02102-00	knob-spacer; polished s.st.	
v	K02103-00	handle knob M6; black plastic, ball shaped	
nip	K01685-00	handle knob M6; red plastic, rugby-ball shaped	
	K02388-01	handle knob, ribbed, M6F; red Nylon PA6	custom shape
	K02389-01	handle knob, ribbed, M6F; black Nylon PA6	
	K02390-01	handle knob, ribbed, M6F; Ivory Nylon PA6	

Bastone group handle, version 2
(with program and volume switch)



	Part number	Short description	remark
a	~~VR-G6023-C~~	Bastone group handle assembly Spirit; version 2	
b	K01678-00	wheeled plunger switch; with flat nuts	
c		switch ↔ flat cable adapter w. 2 nuts; version 2	see page 44
d		group handle bracket Spirit; model 2, polished s.st.	
f	~~XVMR-E020-C~~	push button switch w. fixtures; chrome button	replaced by next
nip	K00650-00	push button switch (NO); black knob, with mounting material	
g	K00675-00	toggle switch; single pole, ON-ON, with mounting material	
l	K00684-00	spring; s.st. (appr. 1x9x31mm)	
m	K01366-00	adjusting screw M5 for spring; s.st., length 12mm	
n	C-SV-M3x16	Phillips machine screw din965 M3x16; s.st.	
o	K01442-00	handle spacer Spirit with protrusion; s.st.	
p	K01441-00	handle spacer Spirit without protrusion; s.st.	
q	C-BI-M5x12	Allen screw iso7380 M5x12; s.st.	
r	K01439-00	axle for handle spacer K01442-00 with M5 threads; bronze	
s	K01409-00	group handle; polished s.st.	made on order
t	C-SS-M6x35	set screw din916 M6x35; s.st.	
v	K01686-00	handle knob M6; black plastic, rugby-ball shaped	
nip	K01685-00	handle knob M6; red plastic, rugby-ball shaped	
	K02388-01	handle knob, ribbed, M6F; red Nylon PA6	custom shape
	K02389-01	handle knob, ribbed, M6F; black Nylon PA6	
	K02390-01	handle knob, ribbed, M6F; Ivory Nylon PA6	

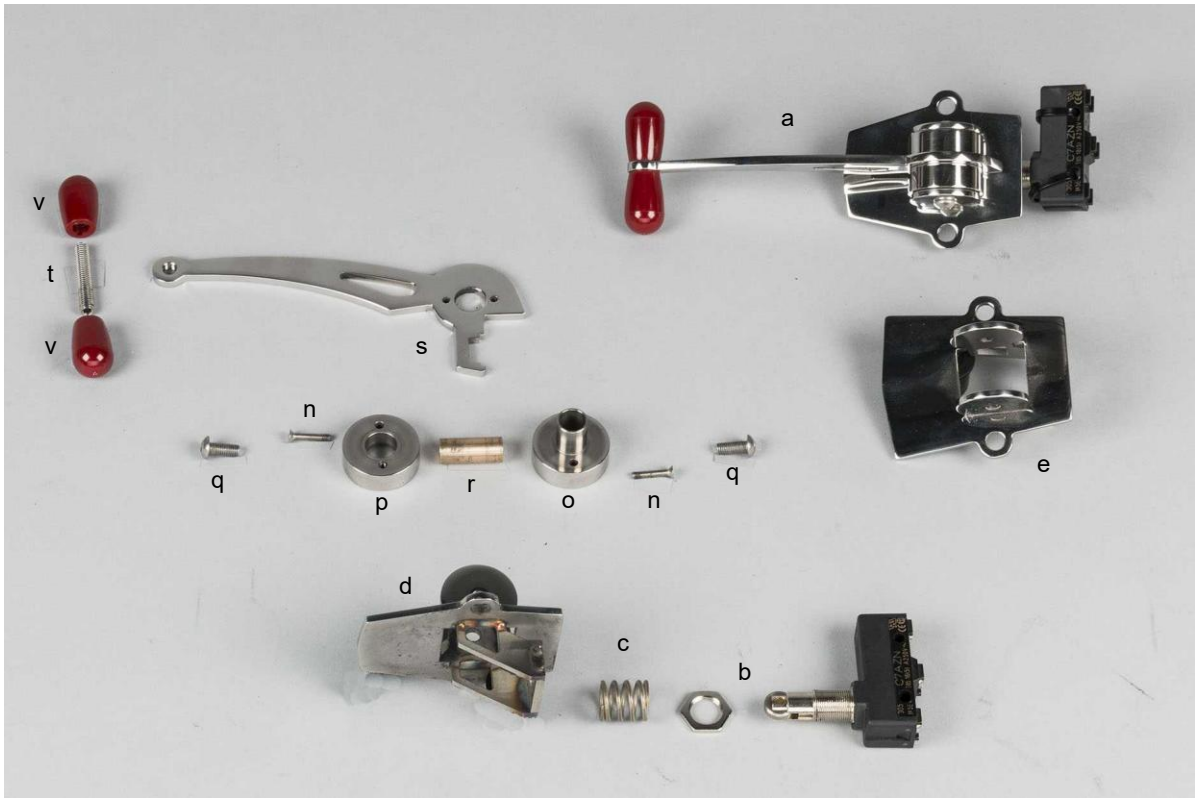
Bastone group handle, version 3
(with program and volume switches and indicator LED)



	Part number	Short description	remark
a	K01411-03	Bastone group handle assembly Spirit; version 3	* K01483-03
b	K01678-00	wheeled plunger switch; with flat nuts	
c	K00676-05	universal cassette PCB for group switch	
d	K01410-00	group handle bracket Spirit; model 3, polished s.st.	made on order
e	K00677-00	indicator light; 8mm, 5Vdc, green LED	
f	K00650-00	push button switch (NO); black knob, with mounting material	
g	K00675-00	toggle switch; single pole, ON-ON, with mounting material	
l	K00684-00	spring; s.st. (appr. 1x9x31mm)	
m	K01366-00	adjusting screw M5 for spring; s.st., length 12mm	
n	C-SV-M3x16	Phillips machine screw din965 M3x16; s.st.	
o	K01442-00	handle spacer Spirit with protrusion; s.st.	
p	K01441-00	handle spacer Spirit without protrusion; s.st.	
q	C-BI-M5x12	Allen screw iso7380 M5x12; s.st.	
r	K01439-00	axle for handle spacer 01442-00 with M5 threads; bronze	
s	K01409-00	group handle; polished s.st.	made on order
t	C-SS-M6x35	set screw din916 M6x35; s.st.	
v	K01686-00	handle knob M6; black plastic, rugby-ball shaped	
nip	K01685-00	handle knob M6; red plastic, rugby-ball shaped	
	K02388-01	handle knob, ribbed, M6F; red Nylon PA6	custom shape
	K02389-01	handle knob, ribbed, M6F; black Nylon PA6	
	K02390-01	handle knob, ribbed, M6F; Ivory Nylon PA6	

* RAW version of part

Hot water handle, versions 1 and 2

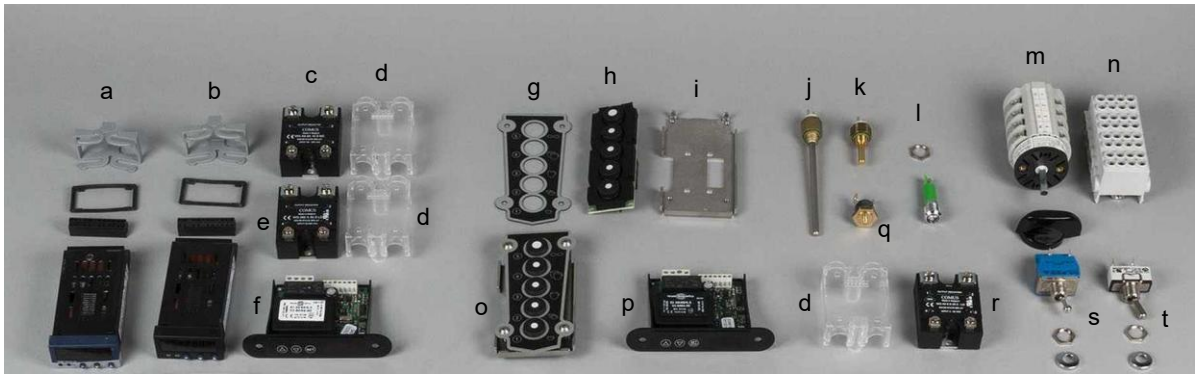


	Part number	Short description	remark
a	K01445-00	hot water handle assembly Spirit; version 2	* K01446-00
b	K01678-00	wheeled plunger switch; with flat nuts	
c	K00822-00	spring; s.st. (appr. 2x12x17mm)	
d	K01443-05	bracket hot water handle Spirit; version 2, polished s.st.	
e		hot water handle bracket Spirit; version 1, polished s.st.	replaced by d
n	C-SV-M3x16	Phillips machine screw din965 M3x16; s.st.	
o	K01442-00	handle spacer Spirit with protrusion; s.st.	
p	K01441-00	handle spacer Spirit without protrusion; s.st.	
q	C-BI-M5x12	Allen screw iso7380 M5x12; s.st.	
r	K01439-00	axle for handle spacer K01442-00 with M5 threads; bronze	
s	K01444-04	hot water handle; polished s.st.	
t	C-SS-M6x35	set screw din916 M6x35; s.st.	
v	K01685-00	handle knob M6; red plastic, rugby-ball shaped	
nip	K02388-01	handle knob, ribbed, M6F; red Nylon PA6	custom shape

* RAW version of part

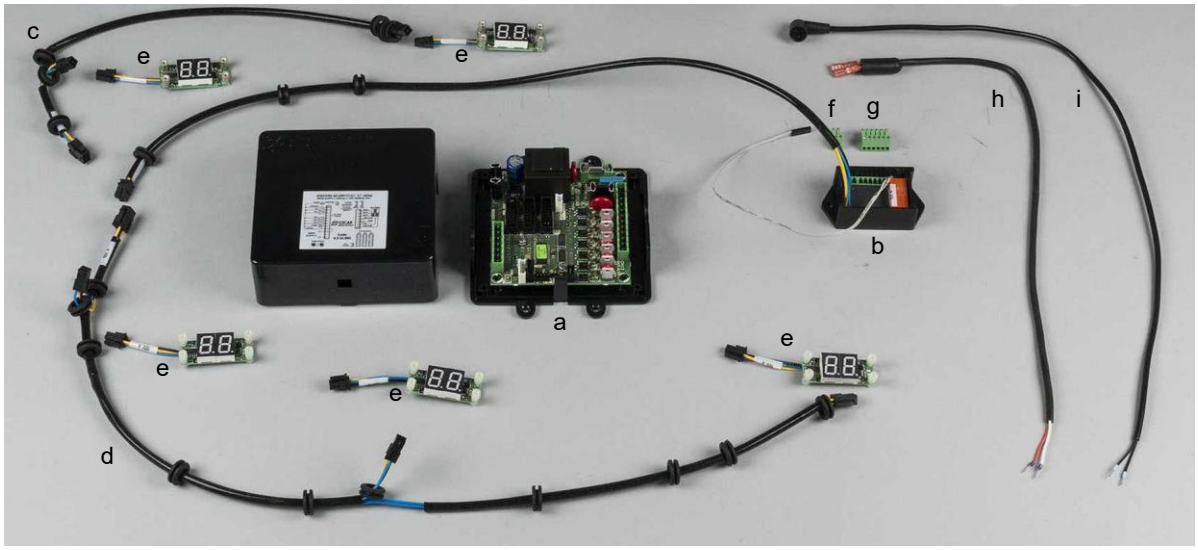
	hot water handle version 1 is comparable to version 2 but		
	ZK01952-00	plunger switch (without wheel)	instead of K01678-00

Electrical components 1
Duette and Triplette



	Part number	Short description	remark
a		JUMO Di32 steam boiler temperature controller w. fixtures	never used in Spirit
b	~~ZK02100-00~~	JUMO iTron coffee boiler temperature controller w. fixtures	up to # 213
nip	ZK02100-01	JUMO diraTRON 132, temperature controller (PID) coffee boiler, specify °C or °F	different appearance
c	ZK01667-00	SSR NC, 90-280Vac control power; without silpad (Comus)	up to # appr. 150
d	K00794-00	SSR cover; clear plastic	
nip	K00793-00	sil-pad for SSR (heat transfer sticker)	
e	~~MR-E008-NO~~	SSR NO; 90-280Vac control power, without silpad (Comus)	up to # appr. 150
nip	K02458-00	SSR NO, 90-280Vac control power, with cover (Carlo Gavazzi)	
	K02456-00	sil-pad for SSR K02455 and K02458	
f	no longer available	Störk steam boiler controller; red display	see p
g	K00678-00	touchpad cover; printed s.st. (for touchpad K00674-00)	
h	~~K00674-00~~	touchpad with button-LED's; 5-buttons (Bellini)	K00674-01
	K00674-01	5-button touchpad with mechanical keys (Bellini 2.0)	
i	K01303-03	touchpad mounting bracket Spirit; s.st.	
j	~~SR-E1004-T~~	temperature sensor Pt-100 1/8M; 2-wire, 100mm (Tasseron)	see page 36
k	~~MSR-E1005-LV~~	temperature sensor Pt-100 1/8M; 2-wire, 27mm (Tasseron)	
l	K00672-00	indicator light; 12mm, 230Vac, green LED	
m	K00665-00	mains switch 4x4pole, 3-position; no knob	
	K01129-00	plastic knob; black, for mains switch	
n	K00662-00	mains power connector block; 4x4 leads 1.5-25mm^2	
o		touchpad; 5-buttons, complete	g + h + i
p	~~K00809-00~~	temperature controller 220-240Vac; Störk ST25 ECO	K00809-01 specify coffee or steam boiler and °C or °F
	~~K00808-00~~	temperature controller 190-210Vac; Störk ST25 ECO	
	K00809-01	temperature controller 100-240Vac; Störk ST25 ECO	
q	K01668-00	overheat safety switch 107°C M4; automatic re-set	
		overheat safety switch 105°C M4; manual re-set	
r	~~MSR-E1010-NO~~	SSR NO; 3-32Vdc control power (Comus)	K02455-00
nip	K02455-00	SSR NO; 3-32Vdc control power (Carlo Gavazzi)	faston connections
	K02456-00	sil-pad for SSR K02455-00 (Carlo Gavazzi)	
s	K01677-00	toggle switch, double pole, ON-OFF; with mounting material	for controller
t	K01675-00	toggle switch, single pole, ON-OFF; with mounting material	for back-light box

Electrical components 2
Duette and Triplette

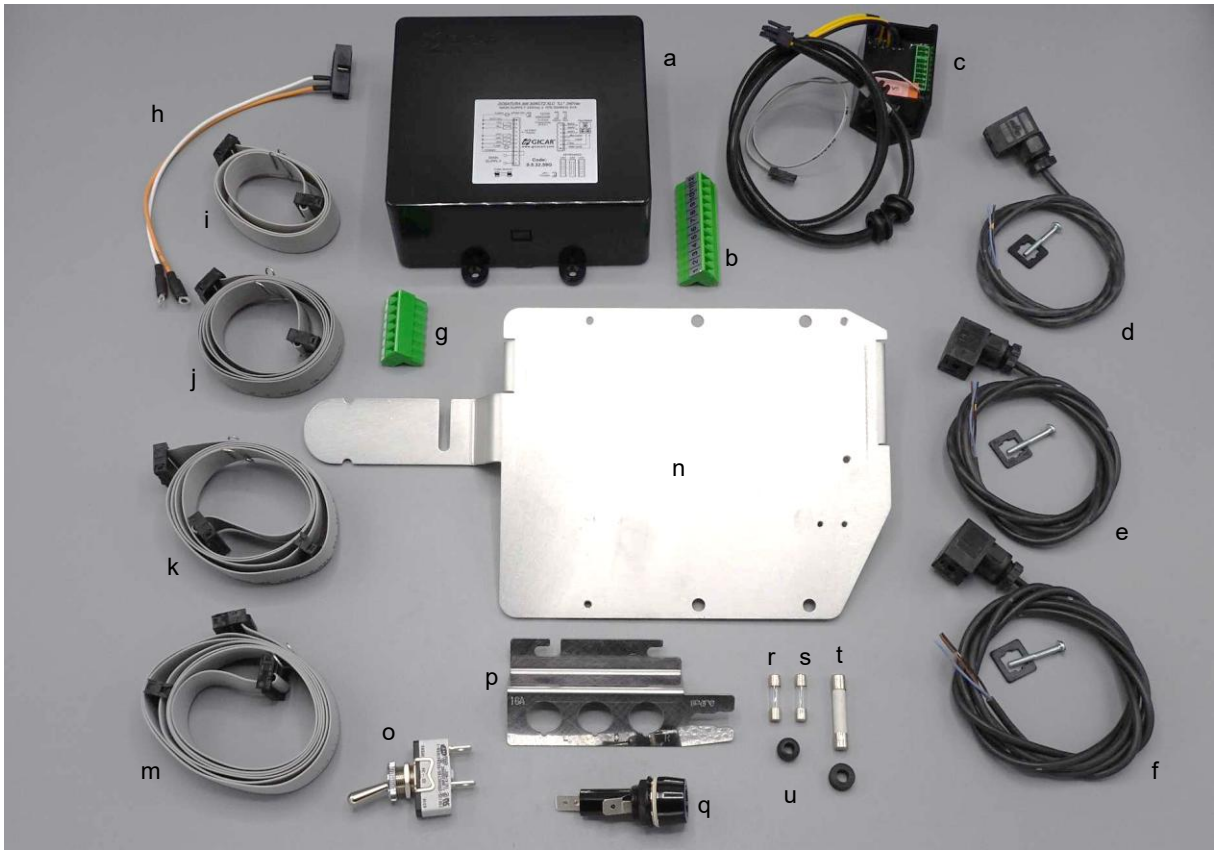


	Part number	Short description	remark
a		main controller Gicar	see page 48
b		combi-PCB for shot timers and steam boiler pump relay	
c	K01127-05	wire harness from combi-PCB to shot timers (Spirit Du & W-b)	
d	K01128-05	wire harness from combi-PCB to shot timers (Spirit Tr)	
e	K01681-00	shot timer display with 4-pole Molex plug	
f	K01121-00	terminal plug 2-pole; green	
g	K01122-00	terminal plug 6-pole; green	
h		temperature sensor cable; with fastons, no longer available	see page 36
		heat resistant cap; 9.5 x 25.4mm	
i		temperature sensor cable; 575mm, angular moulded plug	


from late 2023 onwards

	K03546-00	3-phase line filter	

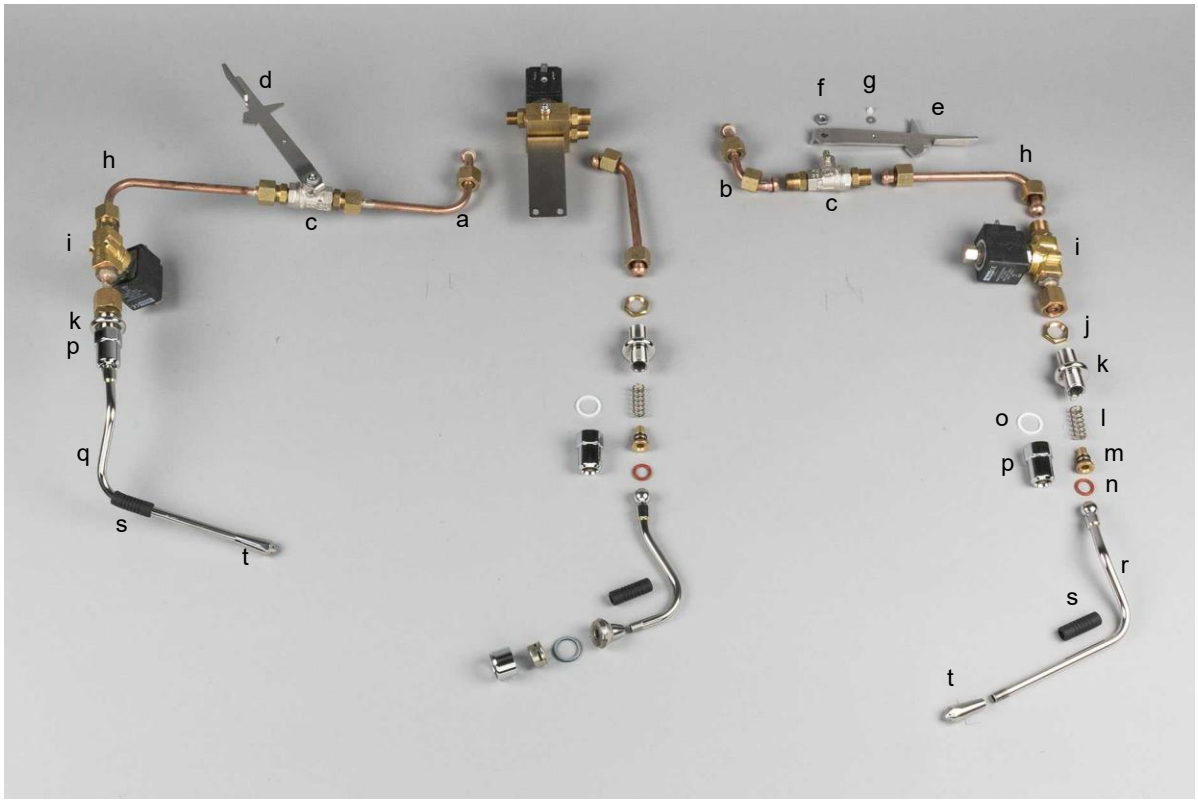
Gicar controller and cables 2020



	Part number	Short description	remark
a	K01083-03	main controller Gicar, version 3; programmed for Spirit	
b	K00645-00	12-pole plug; green (inside Gicar controller)	
c	K01124-05	combi-PCB (shot timers & steam pump relay) diode protection	
d	K00657-00	flow meter cable 850mm; (Spirit Du&Tr-right)	
e	K00658-00	flow meter cable 1150mm; (Spirit Tr-centre, Du-left)	
f	K01101-00	flow meter cable 1400mm; (Spirit Tr-left)	
g	K00646-00	7-pole plug; green (inside Gicar controller)	
h	K01092-02	water switch cable, 2-wire, eye 3.5mm_8x2 (M 12-16)	
i	K00673-00	flat cable 8x2, 550mm (Spirit&Mirage, Du&Tr-right)	
j	K01091-02	flat cable 8x2, 945mm (centre group Spirit Tr)	
k	K01089-02	flat cable 8x2, 910mm with HW-socket (left group Spirit Du)	
m	K01090-02	flat cable 8x2, 1200mm with HW-socket (left group Spirit Tr)	
nip	K01130-00	set of flat cables and water switch cable for Spirit Duette	h + i + k
nip	K01131-00	set of flat cables and water switch cable for Spirit Triplette	h + I + j + m
n	K01300-03	controller mounting plate Spirit; aluminium	
o	K01675-00	toggle switch, SPST, OFF-ON, 10A/250V; lightbox	
p	K01294-00	bracket for fuse-holders, Spirit; s.st.	
q	K00661-00	fuse holder for fuse 6.3x32mm; Bakelite	
r	K00648-00	glass fuse 5x20mm: 3.15A (for Gicar controller)	
s	K00649-00	glass fuse 5x20mm: 4A (for Gicar controller, Spirit pump/group)	
t	K00660-00	glass fuse 6.3x32mm: 16A, 500V, Superfast	
u	C-DT-Z3	grommet 9.5x4.8mm; black PVC	
v	C-DT-Z16	grommet 10.9x5.5mm; black TPE	

Steam

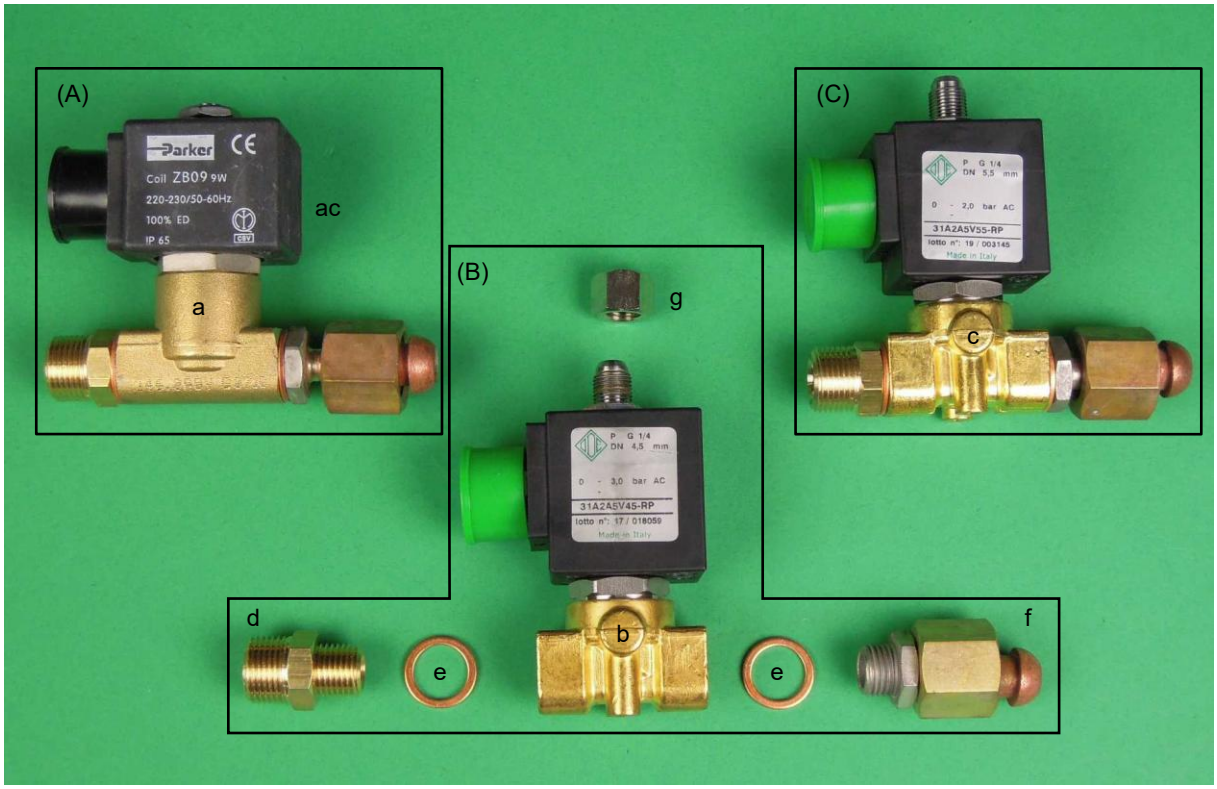
(semi-) exploded view; Duette and Triplette



	Part number	Short description	remark
a	K01066-00	8mm copper tube; steam boiler ↔ steam power valve left	
b	K01067-00	8mm copper tube; steam boiler ↔ steam power valve right	
c	K00782-00	ball valve 1/4F-1/4F; nickel plated brass, butterfly handle	valve w. 2 fittings: K01415-00; used here without handle
	K00866-00	fitting 1/4M-3/8M; brass	
d	K01472-03	steam power adjustment lever Spirit, left; s.st.	
e	K01475-03	steam power adjustment lever Spirit, right; s.st.	
f		flat nut, M6 (is part of K00782-00)	
g	C-SG-M3x04-K	screw din85 M3x4; natural nylon	
h	K01071-00	8mm copper tube, steam power adjustment ↔ steam valve	fits left and right
i		steam solenoid valve assembly	see page 50
j	K00848-00	nut 3/8, 5mm thick; brass, wrench 20mm	
k	K01451-01	front panel fitting; polished s.st.	* K01452-00
l	K00849-00	spring; s.st. (against trumpet plunger, appr. 1.5x8x30mm)	
m	K00851-00	trumpet plunger; brass, complete with two O-rings	
n	K00852-00	O-ring (appr. 10.5x2.7mm); red silicone	
o	K00855-00	ring 3/8”; Teflon (21x16.8x2mm)	
p	K00853-00	ball-joint nut 22mm; chromed bronze	* K00854-00
q	K01447-00	steam wand Spirit, left; polished s.st.	* K01448-00
r	K01449-00	steam wand Spirit, right; polished s.st.	* K01450-00
s	K00862-00	rubber anti-burn sleeve; 34mm	
nip	K02360-00	anti-burn sleeve on steam wand; 110mm	extra long
t	K00681-00	steam wand tip 4x1.6mm; s.st.	* K00682-00

* RAW version of part

Steam solenoid valve



Several versions of the solenoid steam valve have been mounted in the Spirit.
The original version was a 2-way in-line valve with orifice 6mm manufactured by Parker (A).
The most recent version is a 3-way in-line valve with orifice 5.5mm manufactured by ODE (C).

The 3-way valves can be connected to the drain to prevent vacuum build-up in the steam wand that can cause milk to be sucked into the steam wand. If the machine does not have a connection to the drain, the 3rd connection of the 3-way valve must be capped (with cap g).

(A) Original 2-way valve (orifice 6mm, manufactured by Parker, no longer available)

A	~~VMSR-E027-C~~	steam solenoid valve assembly; 2-way, 6mm	230V, 50-60Hz
a	~~VMSR-E028-K~~	2-way in-line valve, orifice 6mm; brass; Parker	without coil
ac	K00798-00	coil for solenoid valve VMSR-E028-K; 220-230V, 50-60Hz	
	K00799-00	coil for solenoid valve VMSR-E028-K; 200V, 50-60Hz	
	Other items as with (B)		

(B) Intermediate 3-way valve (orifice 4.5mm, manufactured by ODE).
This is the assembly shown on the previous page.

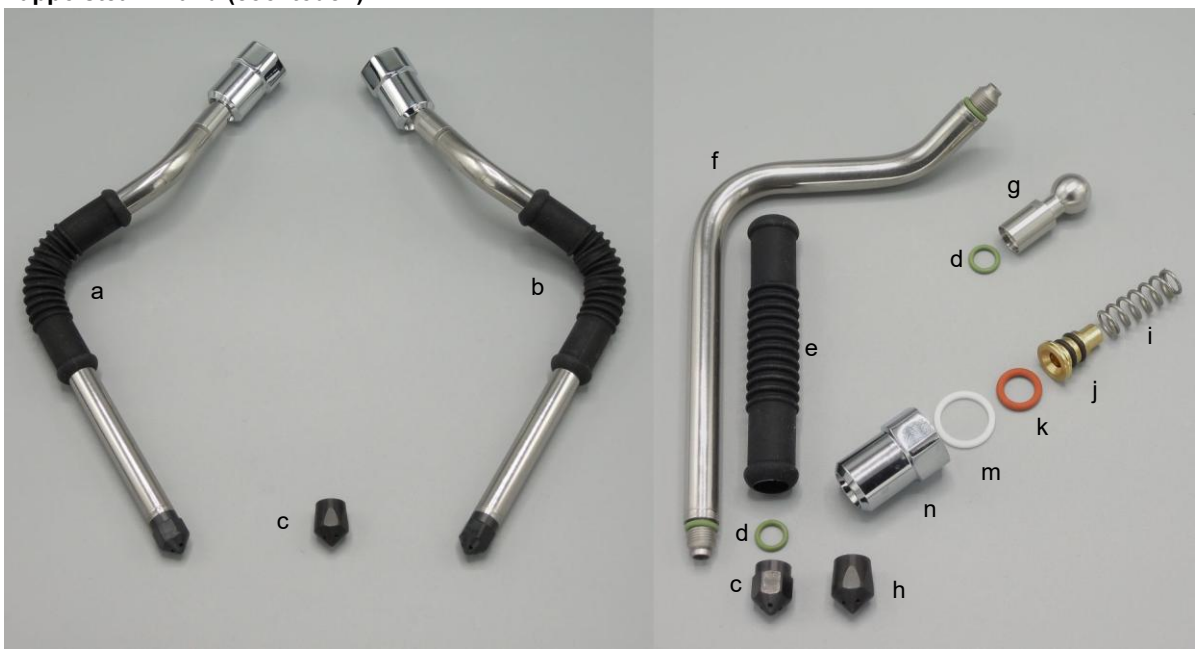
B	~~XVR-E6027-C~~	steam solenoid valve assembly; 3-way, 4.5mm, no cap	230V 50/60Hz
b	~~K01093-00~~	3-way in-line valve, orifice 4.5mm; brass, with coil 230V; ODE	
d	K00866-00	fitting 1/4M-3/8M; brass	
e	K00785-00	ring 1/4"; copper	
f	K00630-00	8mm copper tube, long swivel-nut; steam valve - steam tap	
g	K00683-00	cap 1/8; nickel plated brass	

(C) Present 3-way valve (orifice 5.5mm, manufactured by ODE)

C	K01094-02	steam solenoid valve assembly; 3-way, 4.5mm, no cap	230V, 50-60Hz
	K00797-02	steam solenoid valve assembly; 2-way, 4.5mm, with cap*	230V, 50-60Hz
c	K02453-00	3-way in-line valve, orifice 4.5mm; brass, with coil 230V; ODE	
	~~K02997-00~~	3-way in-line valve, orifice 5.5mm; brass, with coil 200V; ODE	K02453 + K00398
	Other items as with (B)		
	K00398-00	solenoid coil 200Vac for 2-way and 3-way ODE valves	

* When this valve is used as 4.5mm 2-way valve, IN and OUT should be inverted to properly seal when inactive.

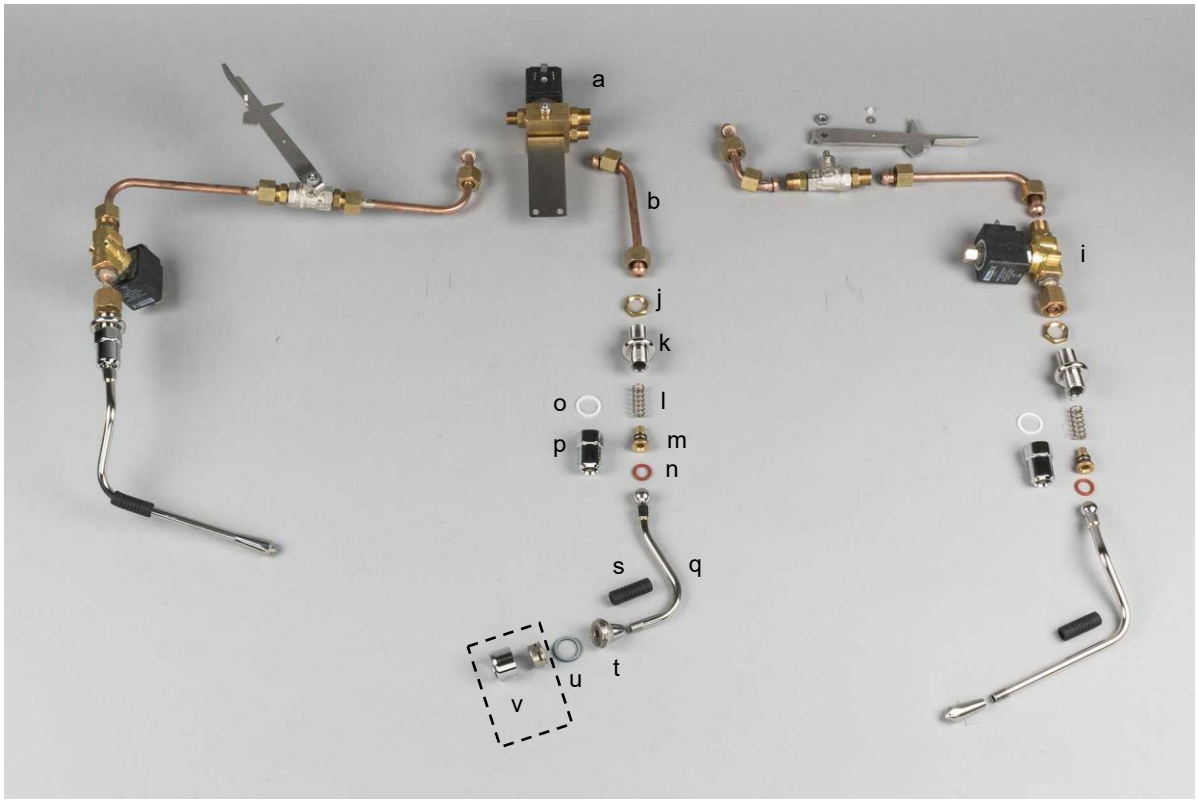
Zappo steam wand (cool touch)



	Part number	Short description	remark
a	K03548-00	Assembly: Zappo double-walled steam wand, Spirit left	with steam tip “c”
b	K03549-00	Assembly: Zappo double-walled steam wand, Spirit right	with steam tip “c”
c		steam tip 4x1.6mm, Zappo steam wand; PEEK, black, ver.1	will be replaced
nip	K03602-00	steam tip 4x1.6mm; Zappo steam wand; PEEK, black, ver.2	
d	K03596-00	O-ring 7.65x1.78mm; FKM 75; green	
e	K03354-00	rubber sleeve for Spirit Zappo steam wand; 100mm	
nip	K03406-01	Zappo double-walled steam wand, Spirit left; s.st.	no steam tip
f	K03407-01	Zappo double-walled steam wand, Spirit right; s.st.	no steam tip
g	K03440-00	ball joint Zappo steam wand; s.st.	
h	K03517-00	steam tip 4x1.2mm; Zappo steam wand; PEEK, black	
i	K00849-00	spring; s.st. (against trumpet plunger, appr. 1.5x8x30mm)	
j	K00851-00	trumpet plunger; brass, complete with two O-rings	
k	K00852-00	O-ring (appr. Ø10.5 x 2.7mm); red silicone	
m	K00855-00	ring 3/8”; Teflon (21x16.8x2mm)	
n	K00853-00	ball-joint nut 22mm; chromed bronze	
	K03477-00	Upgrade kit: Zappo steam wand, Spirit left	a + h + i + j + k + m
	K03478-00	Upgrade kit: Zappo steam wand, Spirit right	b + h + i + j + k + m

Hot water

(semi-) exploded view; Duette and Triplette

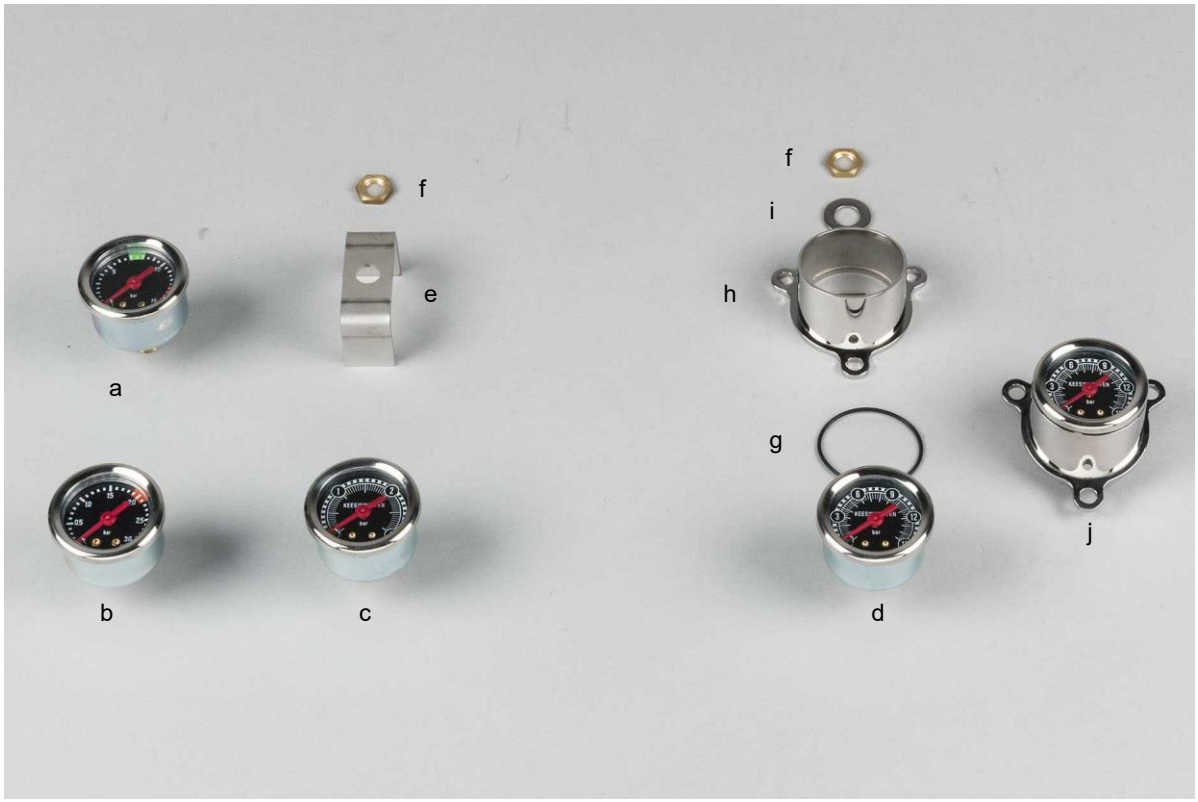


	Part number	Short description	remark
a	~~VR-B6003-C~~	assembly: mix-block Spirit, with bracket (Parker valve)	see page 55
	K01027-01	assembly: mix-block Spirit, with bracket (ODE valve)	
b	K01051-00	8mm copper tube; mix-block ↔ front panel fitting (Spirit)	
j	K00848-00	nut 3/8, 5mm thick; brass, wrench 20mm	
k	K01451-01	front panel fitting; polished s.st.	* K01452-00
l	K00849-00	spring; s.st. (against trumpet plunger, appr. 1.5x8x30mm)	
m	K00851-00	trumpet plunger; brass, complete with two O-rings	
n	K00852-00	O-ring (appr. 10.5x2.7mm); red silicone	
o	K00855-00	ring 3/8”; Teflon (21x16.8x2mm)	
p	K00853-00	ball-joint nut 22mm; chromed bronze	* K00854-00
q	K01453-02	hot water wand Spirit; polished s.st.	* K01454-00
s	K00862-00	rubber anti-burn sleeve; 34mm	
t	K00856-00	hot water wand tip; s.st. (mushroom shape)	
u	K00858-00	O-ring (appr. 16.5x2.7mm); EPDM (hot water screen assy)	
v	K00857-00	screen assembly on hot water wand tip; chrome plated brass	* K00859-00

* RAW version of part

Pressure gauges

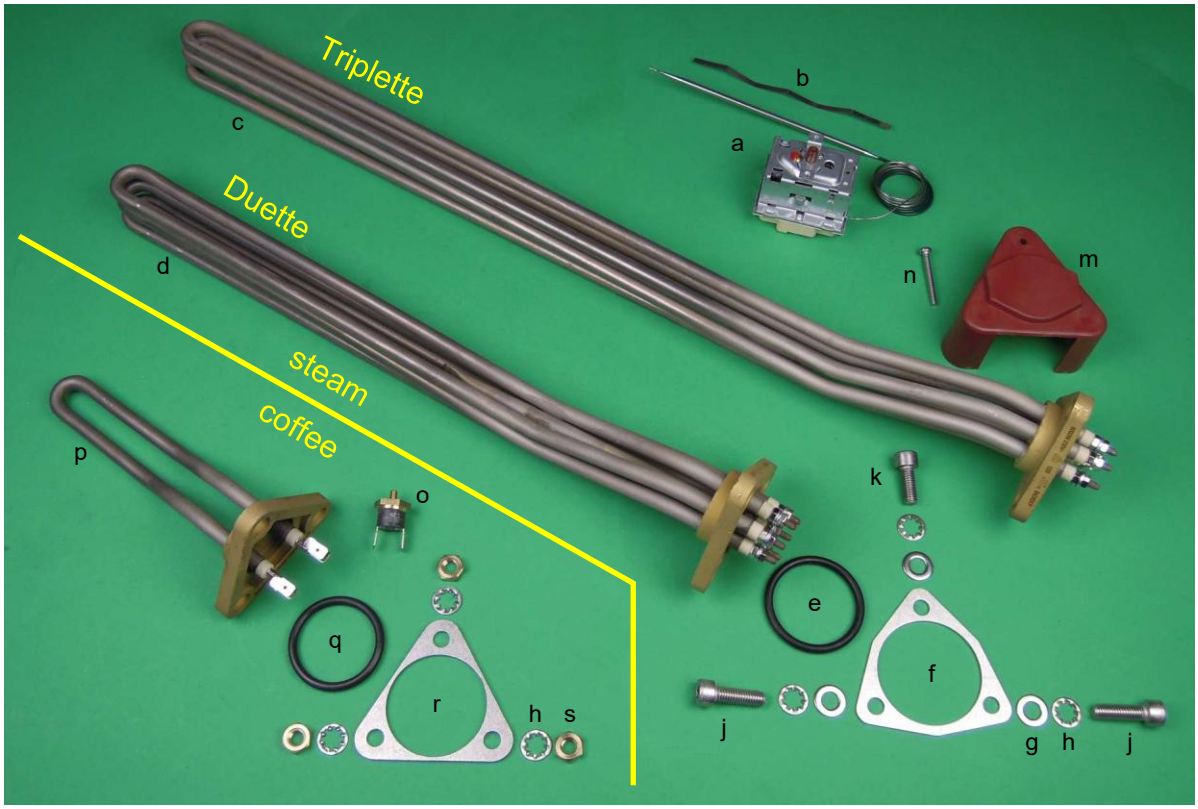
Duette and Triplette



	Part number	Short description	remark
a	~~B1031-P~~	pressure gauge 15 bar (for coffee boiler)	replaced by d
b	~~B1031-S~~	pressure gauge 3 bar (for steam boiler)	replaced by c
c	K01534-00	pressure gauge 3 bar; KvdW marking	until # 086
d	K00790-00	pressure gauge 15 bar; KvdW marking	
e	K00703-00	mounting bracket for pressure gauges	not in Spirit
f	K00820-00	flat nut 1/8”; brass	
g	K01078-00	O-ring, 37x1.5mm; NBR	
h	K01250-00	gauge housing Spirit; polished s.st.	* K01252-00
i	C-RS-M8	washer din125A M8; s.st.	
j	K01251-00	pressure gauge 15 bar assembly Spirit (= d+g+h+i+f)	* K01253-00

* RAW version of part

Heating elements with fixtures

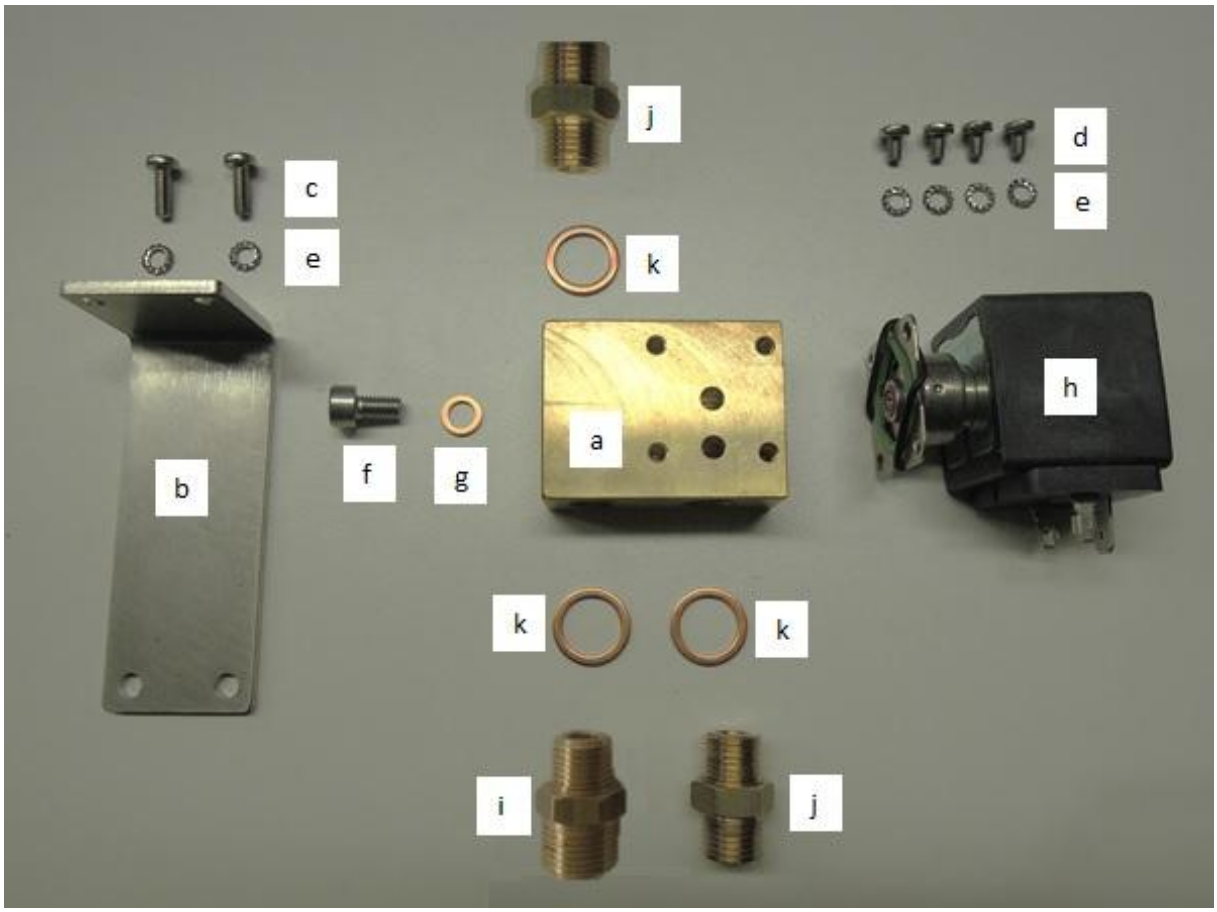


	Part number	Short description	remark
a	K00659-00	3-phase overheat protection switch; manual reset, 155°C	
b	K00668-00	temperature probe clamping strip; s.st., 138x4x0.3mm	use instead of heat conducting paste
c	K00671-00	heating element 3x2000W; 230Vac, Backer	
d	K00669-00	heating element 3x1600W; 230Vac, Backer	
	K00670-00	heating element 3x1600W; 200Vac, Backer	
e	K00788-01	O-ring 42x4,5mm; FKM, 75ShA (gasket for heating element)	
f	K00814-00	triangular O-ring spacer for copper boiler, 2mm thick; s.st.	
g	C-RS-M8	washer din125A M8; s.st.	
h	C-RO-M8	lock washer din6797J M8; s.st.	
j	C-BZ-M8x25	Allen bolt din912 M8x25; s.st.	
k	K00626-00	Allen bolt with internal M4 threads, M8x20; s.st.	
m	K00644-00	element cap; brown plastic	
n	C-SK-M4x35	Philips screw din7985 M4x35; s.st.	
o	K01668-00	overheat safety switch 107°C M4; automatic re-set	
p	K01669-03	heating element 1x900W; 230Vac, faston (Backer)	
q	K01656-02	O-ring 39x4.5mm; FKM (gasket for heating element)	
r	K01676-00	triangular O-ring spacer for s.st. boiler, 3mm thick; s.st.	
s	K01703-00	nut M8, 5mm thick; brass	

In the past we have used TRIAS heating elements with a custom flange that did not require a triangular spacer. If you are to replace such heating element, you must order a new O-ring and a triangular O-ring spacer as well. Note that the O-ring and spacer come in 2 versions.

Mix-block

(with stainless steel flange valve); Duette and Triplette

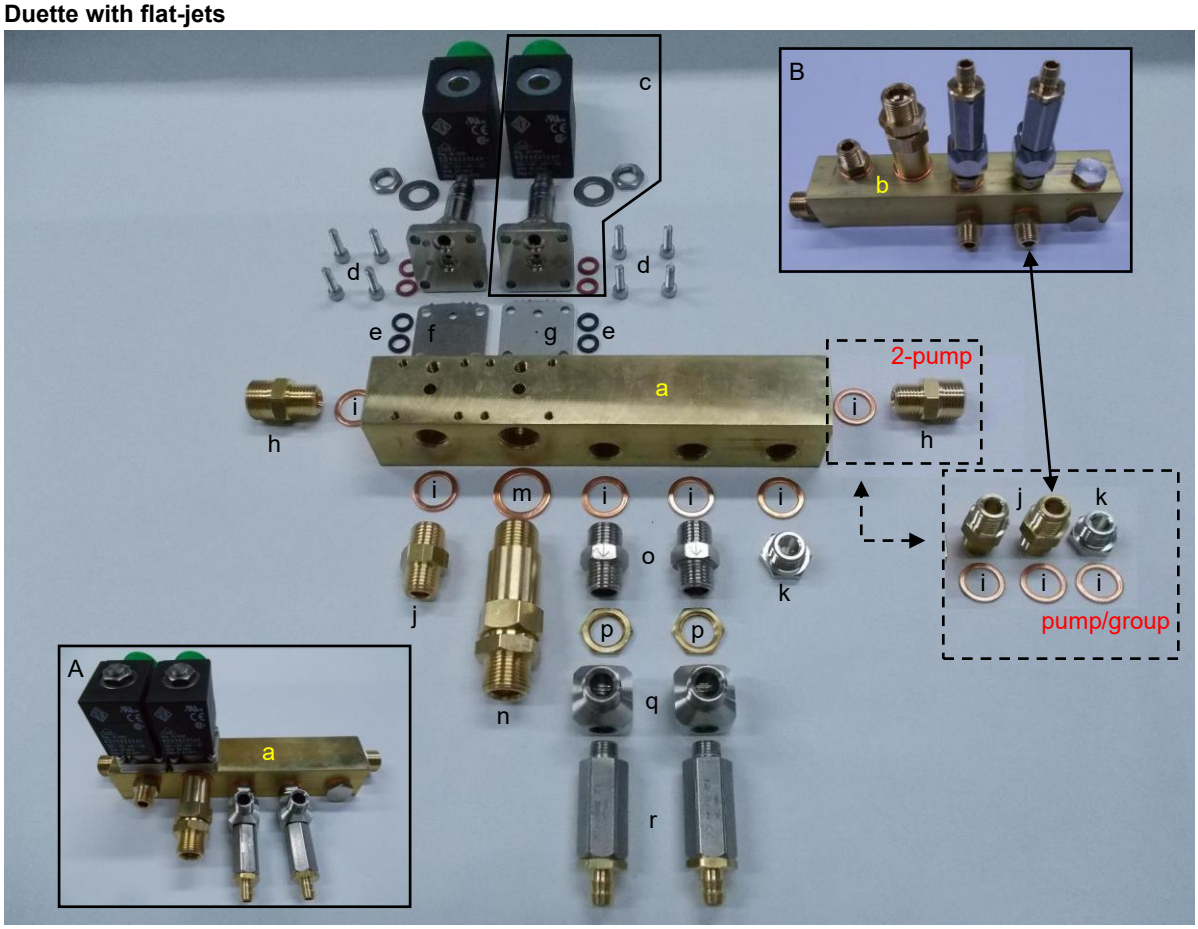


	Part number	Short description	remark
	~~VR-B6003-C~~ *	assembly: mix-block Spirit, with bracket (Parker valve)	=K01027-00
	K01027-01	assembly: mix-block Spirit, with bracket (ODE valve)	
a	K01026-00	mix-block Spirit bare; brass	
b	K01244-00	bracket for mix-block Spirit; s.st.	
c	C-SK-M4x12	Philips screw din7985 M4x12; s.st.	
d	~~C-SK-M4x06~~ *	Philips screw din7985 M4x6; s.st.	Parker valve
	C-BZ-M4x12	Allen bolt M4 x 12mm, ss DIN912	ODE valve
e	~~C-RT-M4~~	lock washer din6798A M4; s.st.	obsolete on valve
f	C-BZ-M6x10	Allen bolt din912 M6x10; s.st.	
g	K00823-00	ring M6; copper	
h	~~VMSR-E026-230~~	2-way flange valve, orifice 2.5mm; brass, coil 230V 50/60Hz	Parker
	~~MSR-E6026-23S~~ *	2-way flange valve, orifice 2.5mm; s.st., coil 230V 50/60Hz	Parker
	K02452-00	2-way flange valve, orifice 2.5mm; s.st.; coil 230V 50/60Hz	ODE
i	K00866-00	fitting 1/4M-3/8M; brass	
j	K00865-00	fitting 1/4M-1/4M; brass	
k	K00785-00	ring 1/4"; copper	

* Per 2019 the s.st. Parker flange valve is replaced with an ODE flange valve. As the flange of this valve is 7mm thick M4x12 screws are needed for mounting the ODE valve.

Manifolds

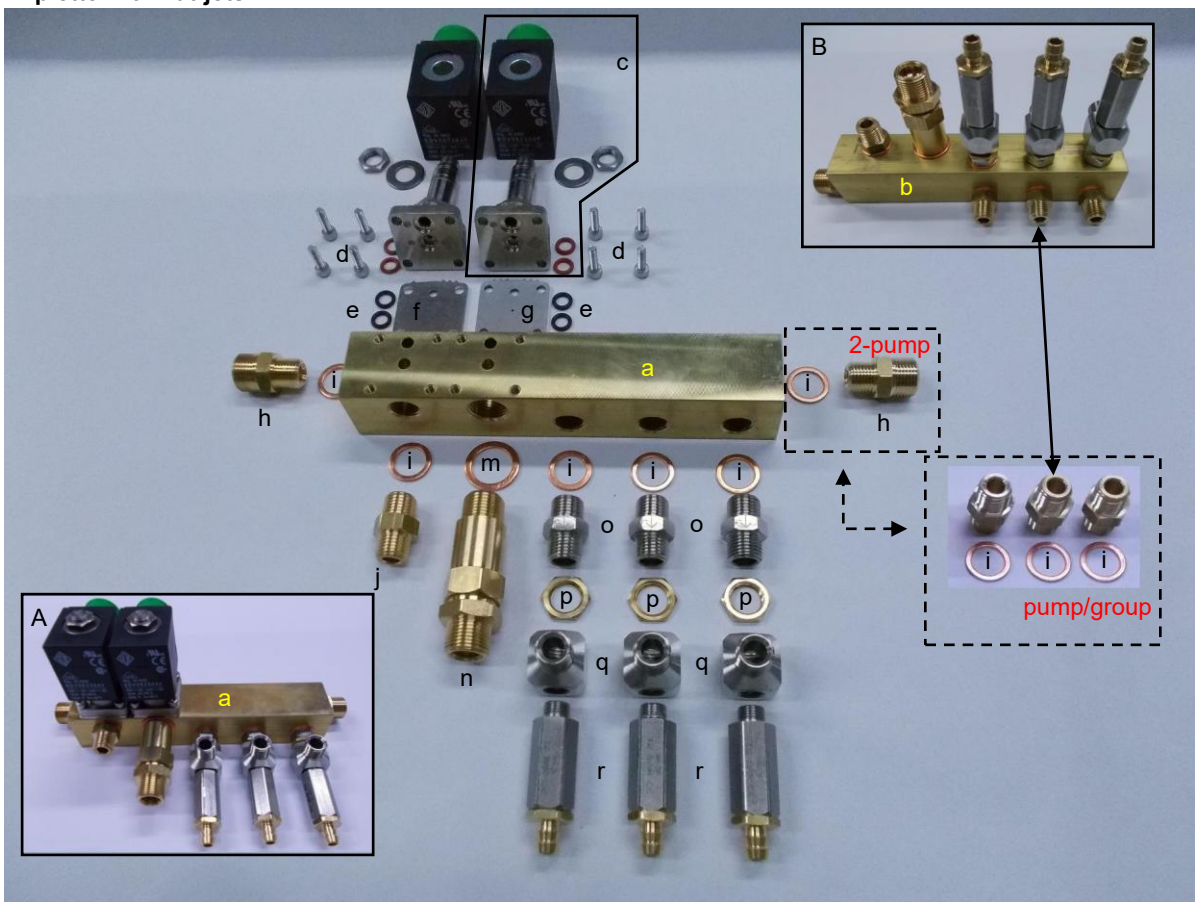
Duette with flat-jets



	Part number	Short description	remark
A	K01028-05	manifold assembly Spirit Du; 2-pump machine, flat-jets CD10	
a	K01030-02	manifold Spirit bare; brass, for flat-jets	
B	K01081-05	manifold assembly Spirit Du; pump/group, flat-jets CD10	inset without valves
b	K01080-02	manifold Spirit pump/group, bare; brass, for flat-jets	
c	K02452-00	2-way flange valve, orifice 2.5mm; s.st.; coil 230V (ODE)	
d	C-BZ-M4X14	Allen bolt din912 M4x14mm; s.st.	
e	K00791-01	O-ring Ø6.07x1.78mm; FKM75 (for flat-jet CD10)	
f	K01663-01	flat-jet CD10; 0.8mm; s.st.	
g	K01664-01	flat-jet CD10; 1.0mm; s.st.	
h	K00866-00	fitting 1/4M-3/8M; brass	
i	K00785-00	ring 1/4"; copper	
j	K00865-00	fitting 1/4M-1/4M; brass	
k	K00781-00	plug 1/4M; nickel plated brass	
m	K00784-00	ring 3/8"; copper	
n	K03310-00	1-way valve 3/8M-3/8M; brass with TEA and RUVECO coating	
o	K02235-00	1-way valve 1/4M-1/4M; s.st.	
p	K03353-01	flat nut 1/4 x 2.5mm; brass	
q	K02790-00	T-fitting, 1/4Mx1/8Fx1/4F; s.st.	
r	VK02267-00	expansion valve 12bar, 1/8M - hose-pillar 8.4mm; s.st.	see: K03453-00
nip	K03453-00	expansion valve 12bar, 1/8M - push-in fitting Ø6mm; s.st.	

Note that bare blocks a and b are not identical.
On the pump/group version, instead of the fitting on RHS there are 2 fittings and plug on bottom.

Triplette with flat-jets

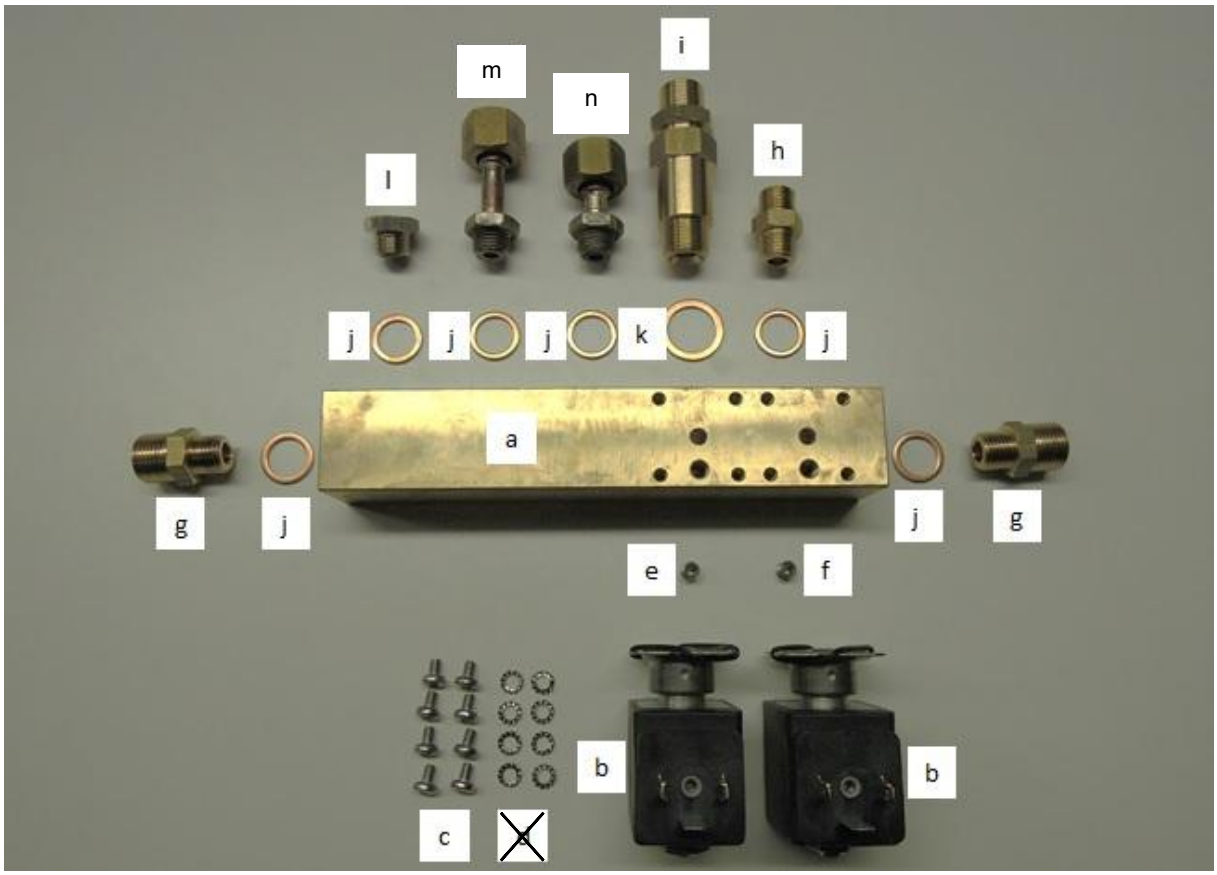


	Part number	Short description	remark
A	K01029-05	manifold assembly Spirit Tr; 2-pump machine, flat-jets CD10	
a	K01030-02	manifold Spirit bare; brass, for flat-jets	
B	K01082-05	manifold assembly Spirit Tr; pump/group, flat-jets CD10	inset without valves
b	K01080-02	manifold Spirit pump/group, bare; brass, for flat-jets	
c	K02452-00	2-way flange valve, orifice 2.5mm; s.st.; coil 230V (ODE)	
d	C-BZ-M4X14	Allen bolt din912 M4x14mm; s.st.	
e	K00791-01	O-ring Ø6.07x1.78mm; FKM75 (for flat-jet CD10)	
f	K01663-01	flat-jet CD10; 0.8mm; s.st.	
g	K01664-01	flat-jet CD10; 1.0mm; s.st.	
h	K00866-00	fitting 1/4M-3/8M; brass	
i	K00785-00	ring 1/4"; copper	
j	K00865-00	fitting 1/4M-1/4M; brass	
k	K00781-00	plug 1/4M; nickel plated brass	
m	K00784-00	ring 3/8”; copper	
n	K03310-00	1-way valve 3/8M-3/8M; brass with TEA and RUVECO coating	
o	K02235-00	1-way valve 1/4M-1/4M; s.st.	
p	K03353-01	flat nut 1/4 x 2.5mm; brass	
q	K02790-00	T-fitting, 1/4Mx1/8Fx1/4F; s.st.	
r	VK02267-00	expansion valve 12bar, 1/8M - hose-pillar 8.4mm; s.st.	see: K03453-00
nip	K03453-00	expansion valve 12bar, 1/8M - push-in fitting Ø6mm; s.st.	

Note that bare blocks a and b are not identical.
On the pump/group version, instead of the fitting on RHS there are 3 fittings on bottom.

Previous versions

Duette (two-pump machine, shown is XVR-B6004-DC with Parker stainless steel flange valves)

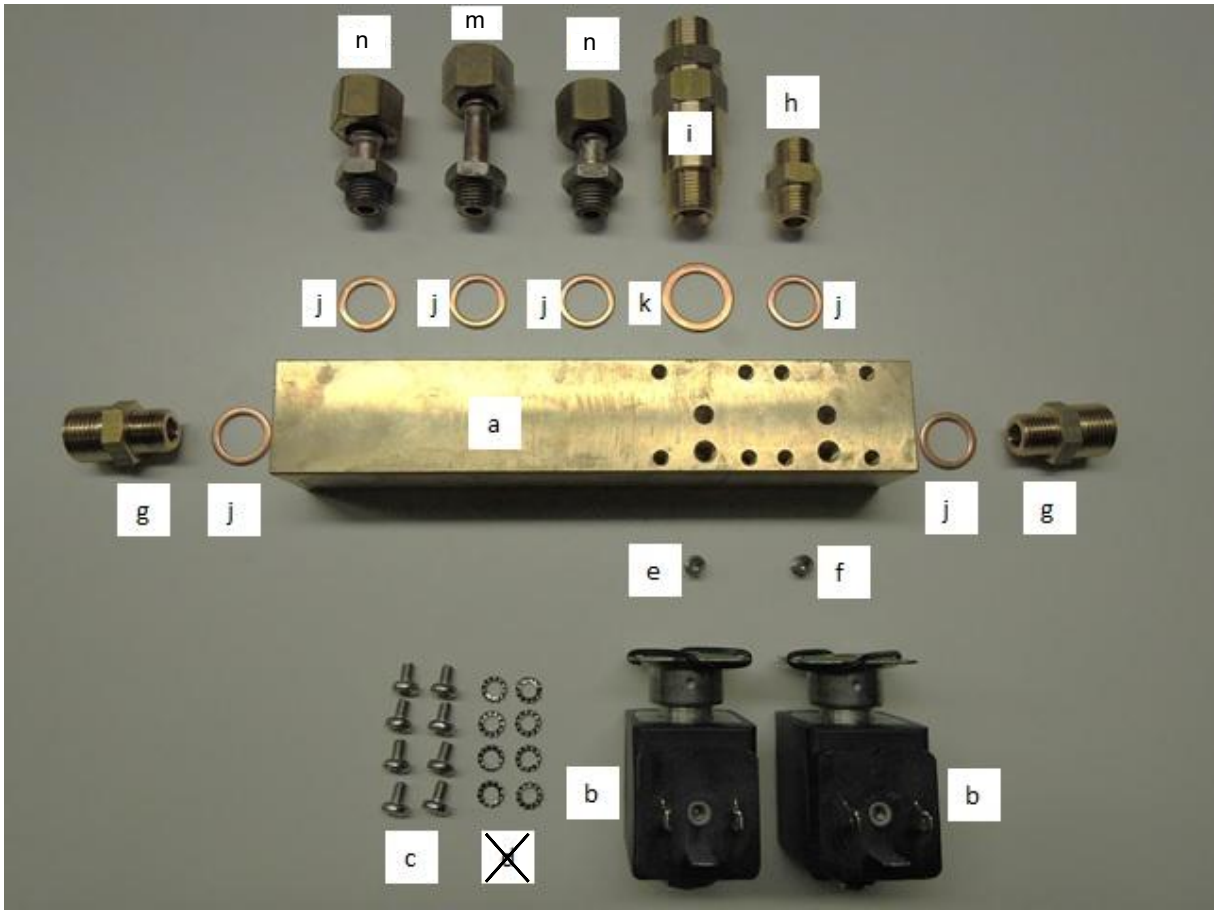


	Part number	Short description	remark
old → new	~~XVR-B6004-DC~~	manifold assembly Spirit Du; 2-pump machine, jets M6x6	Parker brass valves
	~~VR-B6004-DCv2~~	manifold assembly Spirit Du; 2-pump machine, flat-jets CD10	Parker s.st. valves
	K01028-03		ODE s.st. valves
a	~~XVR-B6004~~	manifold Spirit bare; brass, for jets M6x6	
	K01030-02	manifold Spirit bare; brass, for flat-jets	
b	~~VMSR-E026-230~~	2-way flange valve, orifice 2.5mm; brass, coil 230V 50/60Hz	Parker
	~~MSR-E6026-23S~~	2-way flange valve, orifice 2.5mm; s.st., coil 230V 50/60Hz	Parker
	K02452-00	2-way flange valve, orifice 2.5mm; s.st.; coil 230V 50/60Hz	ODE
c	C-SK-M4x06	Philips screw din7985 M4x6; s.st.	for Parker s.st.
	C-BZ-M4x12	Allen bolt M4 x 12mm, ss DIN912	for ODE valves
e	~~MSR-B034-10~~	jet M6x6 orifice 1.0mm; s.st.	for B6004-
nip	K01664-00	flat-jet CD10mm; 1.0mm; s.st.	for K01028-03
f	~~MSR-B034-08~~	jet M6x6 orifice 0.8mm; s.st.	for B6004-
nip	K01663-00	flat-jet CD10; 0.8mm; s.st.	for K01028-03
g	K00866-00	fitting 1/4M-3/8M; brass	
h	K00865-00	fitting 1/4M-1/4M; brass	
i	K00628-00	one-way valve 3/8M-3/8M; brass	
j	K00785-00	ring 1/4"; copper	
k	K00784-00	ring 3/8"; copper	
l	K00781-00	plug 1/4"; nickel plated brass	
m	K01035-00	8mm copper tube; manifold ↔ combi-valve (long)	
n	K01034-00	8mm copper tube; manifold ↔ combi-valve (short)	

NOTE! Manifolds for jets M6x6 (B6004) do not accommodate for flat-jets.

Manifolds

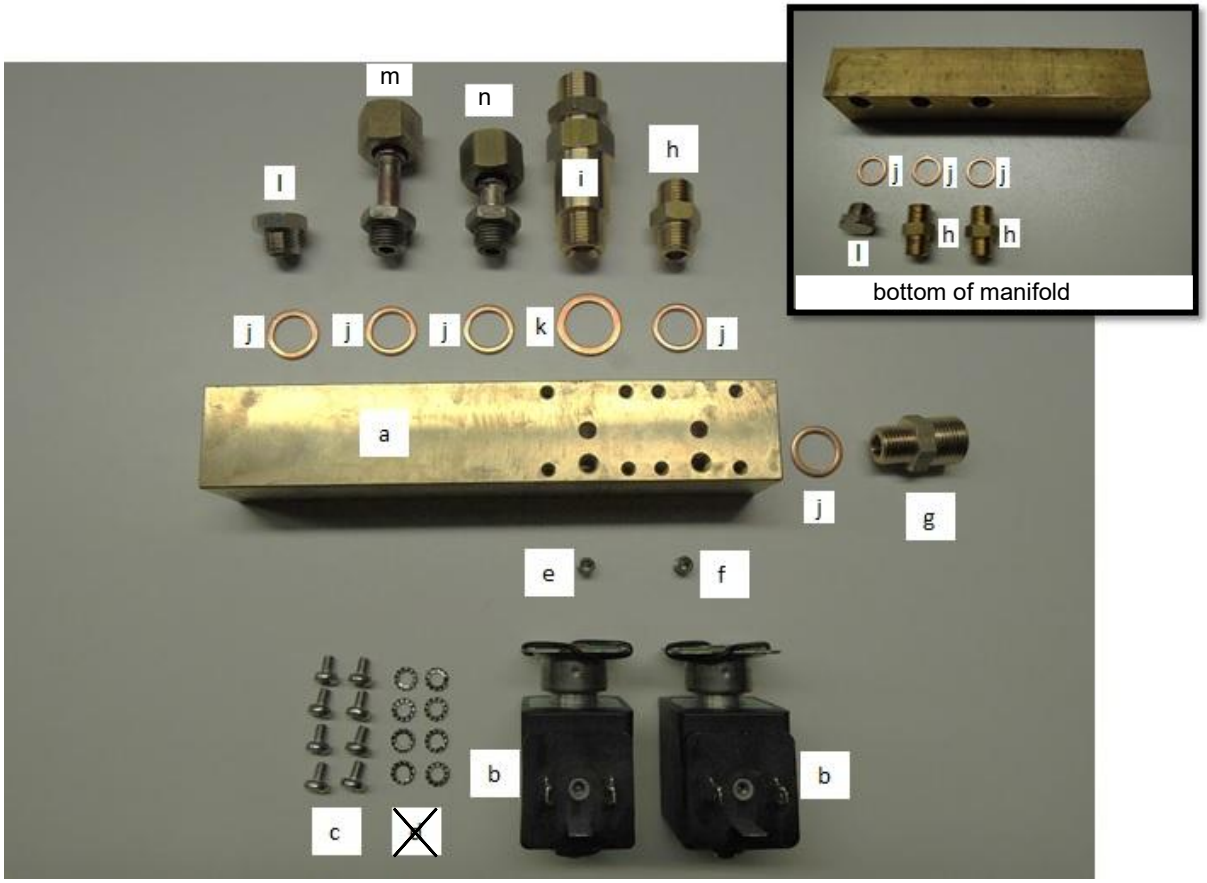
Triplette (two-pump machine, shown is XVR-B6004-TC with Parker stainless steel flange valves)



	Part number	Short description	remark
old ↓ new	~~XVR-B6004-TC~~	manifold assembly Spirit Tr; 2-pump machine, jets M6x6	Parker brass valves
	~~VR-B6004-TCv2~~	manifold assembly Spirit Tr; 2-pump machine, flat-jets CD10	Parker s.st. valves
	K01029-03		ODE s.st. valves
a	~~XVR-B6004~~	manifold Spirit bare; brass, for jets M6x6	
	K01030-02	manifold Spirit bare; brass, for flat-jets	
b	~~VMSR-E026-230~~	2-way flange valve, orifice 2.5mm; brass, coil 230V 50/60Hz	Parker
	~~MSR-E6026-23S~~	2-way flange valve, orifice 2.5mm; s.st., coil 230V 50/60Hz	Parker
	K02452-00	2-way flange valve, orifice 2.5mm; s.st.; coil 230V 50/60Hz	ODE
c	C-SK-M4x06	Philips screw din7985 M4x6; s.st.	for Parker s.st.
	C-BZ-M4x12	Allen bolt M4 x 12mm, ss DIN912	for ODE valves
e	~~MSR-B034-10~~	jet M6x6 orifice 1.0mm; s.st.	for B6004-
nip	K01664-00	flat-jet CD10mm; 1.0mm; s.st.	for K01028-03
f	~~MSR-B034-08~~	jet M6x6 orifice 0.8mm; s.st.	for B6004-
nip	K01663-00	flat-jet CD10; 0.8mm; s.st.	for K01028-03
g	K00866-00	fitting 1/4M-3/8M; brass	
h	K00865-00	fitting 1/4M-1/4M; brass	
i	K00628-00	one-way valve 3/8M-3/8M; brass	
j	K00785-00	ring 1/4"; copper	
k	K00784-00	ring 3/8”; copper	
m	K00781-00	plug 1/4"; nickel plated brass	
n	K01035-00	8mm copper tube; manifold ↔ combi-valve (long)	

NOTE! Manifolds for jets M6x6 (B6004) do not accommodate for flat-jets.

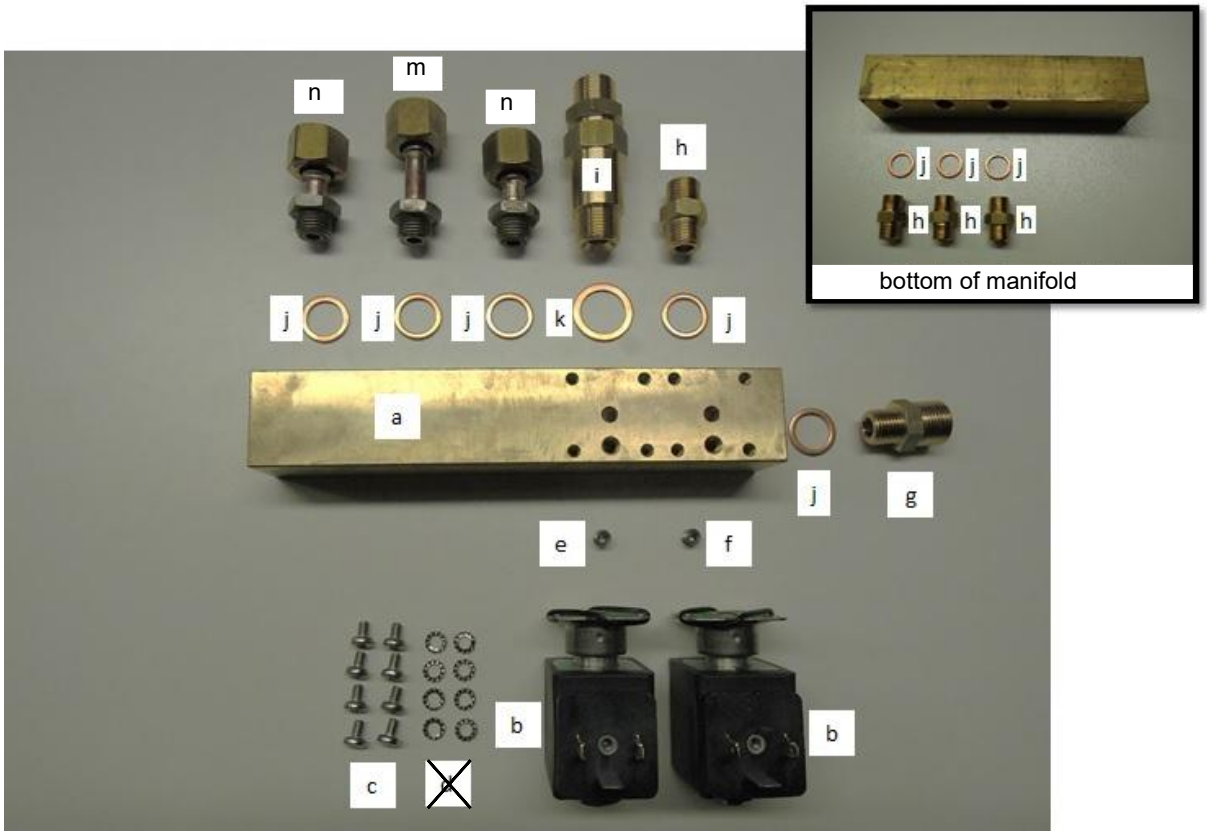
Duette pump per group (shown is XVR-B6114-DC with Parker stainless steel flange valves)



	Part number	Short description	remark
old → new	~~XVR-B6114-DC~~	manifold assembly Spirit Du; pump/group, jets M6x6	Parker brass valves
	~~VR-B6114-DCv2~~	manifold assembly Spirit Du; pump/group, flat-jets CD10	Parker s.st. valves
	K01081-03		ODE valves
a	~~XVR-B6104~~	manifold Spirit pump/group, bare; brass, for jets M6x6	
	K01080-02	manifold Spirit pump/group, bare; brass, for flat-jets	
b	~~MSR-E6026-23S~~	2-way flange valve, orifice 2.5mm; s.st., coil 230V 50/60Hz	Parker
	K02452-00	2-way flange valve, orifice 2.5mm; s.st.; coil 230V 50/60Hz	ODE
c	C-SK-M4x06	Philips screw din7985 M4x6; s.st.	for Parker s.st.
	C-BZ-M4x12	Allen bolt M4 x 12mm, ss DIN912	for ODE valves
e	K00764-00	jet M6x6 orifice 1.0mm; s.st.	for B6104
nip	K01664-00	flat-jet CD10mm; 1.0mm; s.st.	for K01080-02
f	K00762-00	jet M6x6 orifice 0.8mm; s.st.	for B6104
nip	K01663-00	flat-jet CD10; 0.8mm; s.st.	for K01080-02
g	K00866-00	fitting 1/4M-3/8M; brass	
h	K00865-00	fitting 1/4M-1/4M; brass	
i	K00628-00	one-way valve 3/8M-3/8M; brass	
j	K00785-00	ring 1/4"; copper	
k	K00784-00	ring 3/8"; copper	
l	K00781-00	plug 1/4"; nickel plated brass	
m	K01035-00	8mm copper tube; manifold ↔ combi-valve (long)	
n	K01034-00	8mm copper tube; manifold ↔ combi-valve (short)	

NOTE! Manifolds for jets M6x6 (B6104) do not accommodate for flat-jets.

Triplette pump per group (shown is XVR-B6114-TC with Parker stainless steel flange valves)



	Part number	Short description	remark
old ↓ new	~~XVR-B6114-TC~~	manifold assembly Spirit Tr; pump/group, jets M6x6	Parker brass valves
	~~VR-B6114-TCv2~~	manifold assembly Spirit Tr; pump/group, flat-jets CD10	Parker s.st. valves
	K01082-03		ODE valves
a	~~XVR-B6104~~	manifold Spirit pump/group, bare; brass, for jets M6x6	
	K01080-02	manifold Spirit pump/group, bare; brass, for flat-jets	
b	~~MSR-E6026-23S~~	2-way flange valve, orifice 2.5mm; s.st., coil 230V 50/60Hz	Parker
	K02452-00	2-way flange valve, orifice 2.5mm; s.st.; coil 230V 50/60Hz	ODE
c	C-SK-M4x06	Philips screw din7985 M4x6; s.st.	for Parker s.st.
	C-BZ-M4x12	Allen bolt M4 x 12mm, ss DIN912	for ODE valves
e	K00764-00	jet M6x6 orifice 1.0mm; s.st.	for B6104
nip	K01664-00	flat-jet CD10mm; 1.0mm; s.st.	for K01080-02
f	K00762-00	jet M6x6 orifice 0.8mm; s.st.	for B6104
nip	K01663-00	flat-jet CD10; 0.8mm; s.st.	for K01080-02
g	K00866-00	fitting 1/4M-3/8M; brass	
h	K00865-00	fitting 1/4M-1/4M; brass	
i	K00628-00	one-way valve 3/8M-3/8M; brass	
j	K00785-00	ring 1/4"; copper	
k	K00784-00	ring 3/8”; copper	
l	K00781-00	plug 1/4"; nickel plated brass	
m	K01035-00	8mm copper tube; manifold ↔ combi-valve (long)	

NOTE! Manifolds for jets M6x6 (B6104) do not accommodate for flat-jets.

Bodywork

Upper cup tray and glass-look trim

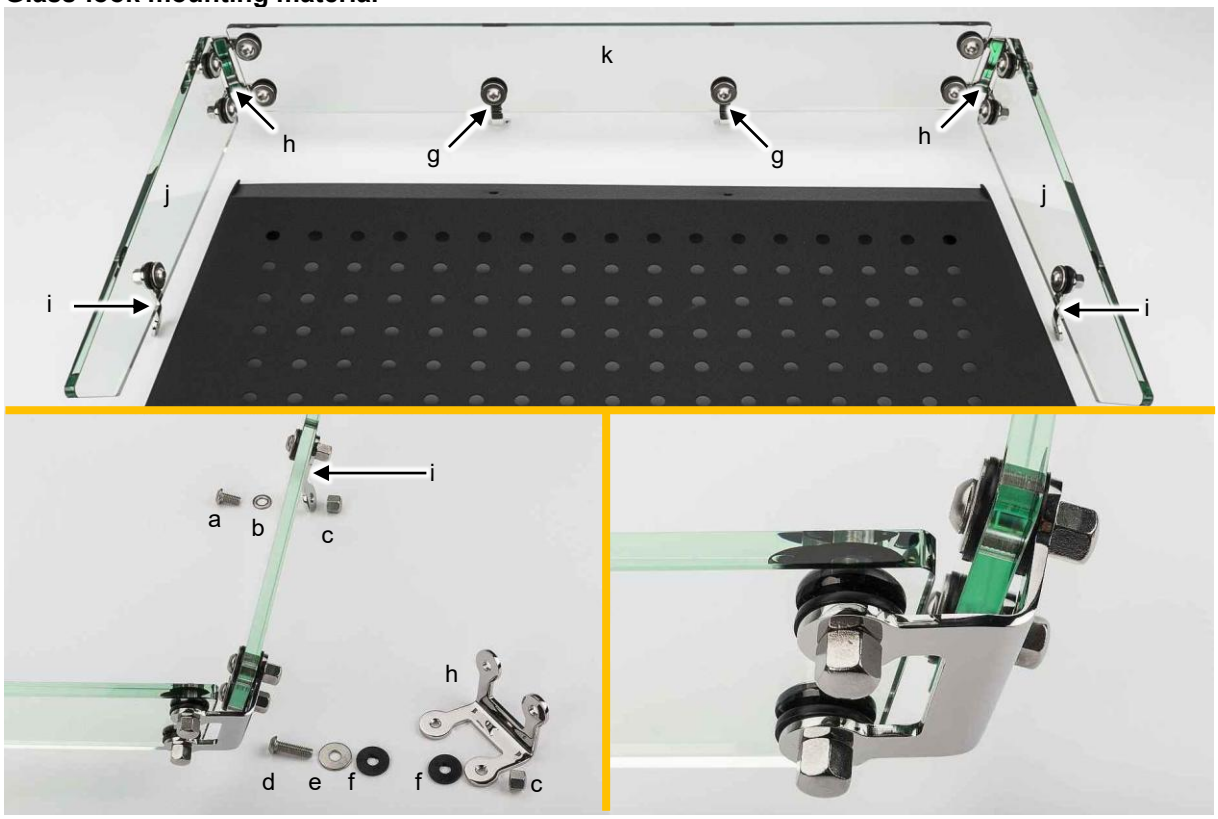


Shown is a Duette cup tray, Triplette is similar but wider

	Part number	Short description	remark
A		upper cup tray, Spirit Du with shot timers; s.st.	contact us to discuss possible finish
nip		upper cup tray, Spirit Tr with shot timers; s.st.	
		upper cup tray, Spirit W-b with shot timers LEFT; s.st.	
		upper cup tray, Spirit W-b with shot timers RIGHT; s.st.	
A+B		upper cup tray with glass-look, Spirit Du; assembled	
nip		upper cup tray with glass-look, Spirit Tr; assembled	
		upper cup tray with glass-look, Spirit W-b; assembled	
a	K01326-00	glass-look side panel, Spirit (fits all)	standard on Du&Tr
nip	K01327-00	glass-look side panel, Spirit, low version* (fits all)	standard on WB
b	K01321-00	glass-look back panel, Spirit Duette	
nip	K01322-00	glass-look back panel, Spirit Duette, low version*	
nip	K01324-00	glass-look back panel, Spirit Triplette	
	K01325-00	glass-look back panel, Spirit Triplette, low version*	
nip	does not exist	~~glass-look back panel, Spirit WideBody (fits L& R)~~	
	K01323-00	glass-look back panel, Spirit WideBody (fits L& R), low version*	

* low version has smaller gap between cup-tray and bottom of glass-look. This is standard on Wide-body machines. There is no “high version” glass-look back-panel for the Wide-body Spirit.

Glass-look mounting material



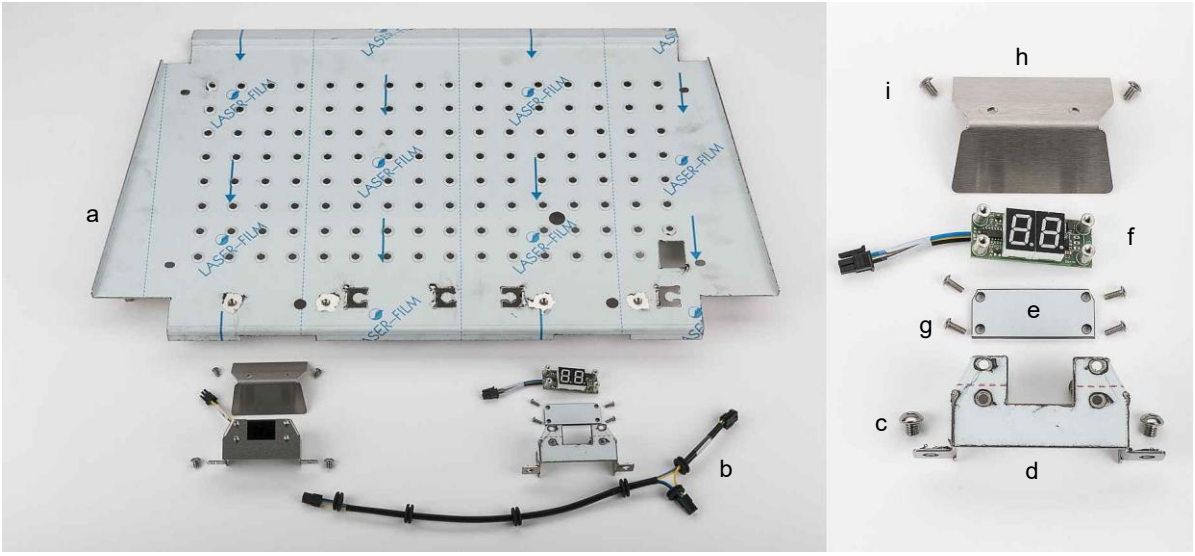
Shown is a Duette cup tray in crackle black, Triplette is similar but wider

	Part number	Short description	remark	
a	C-BI-M6x12	Allen screw Iso7380 M6x12; s.st.	fix bracket to upper cup tray	
b	C-RS-M6	washer din125A M6; s.st.		
c	C-MD-M6	cap nut din917 M6; s.st.		fix bracket to glass-look
d	C-BI-M6x20	Allen screw Iso7380 M6x20; s.st.		
e	C-RC-M6	fender washer din9021 M6; s.st.		
f	C-RZ-6x18x2	washer 6.4mm ID 18mm OD; black PVC		
g	K01231-00	glass-look bracket back-side; polished s.st.	# K01232-00	
h	K01233-00	glass-look bracket corner; polished s.st.	# K01234-00	
i	K01235-00	glass-look bracket left/right; polished s.st.	# K01236-00	
j	K01326-00	glass-look side panel Spirit (fits all)	standard Du&Tr	
nip	K01327-00	glass-look side panel Spirit, low version* (fits all)	standard WB	
k	K01321-00	glass-look back panel, Spirit Duette	standard Duette	
nip	K01322-00	glass-look back panel, Spirit Duette, low version*		
	K01324-00	glass-look back panel, Spirit Triplette	standard Triplette	
	K01325-00	glass-look back panel, Spirit Triplette, low version*		
	K01323-00	glass-look back panel, Spirit WideBody (fits L& R), low version*	standard WB	

RAW version

* low version has smaller gap between cup-tray and bottom of glass-look. This is standard on Wide-body machines. There is no “high version” glass-look back-panel for the Wide-body Spirit.

Lower cup tray and shot timer housing



Shown is a Duette cup tray with protective foil, Triplette is similar but wider

	Part number	Short description	remark
a*	K01227-00	lower cup tray Spirit Du (& WB) for shot timers; s.st.	
nip	K01229-00	lower cup tray Spirit Tr for shot timers; s.st.	
b	K01127-05	wire harness from combi-PCB to shot timers (Spirit Du & WB)	
nip	K01128-05	wire harness from combi-PCB to shot timers (Spirit Tr)	
c	C-BI-M6x06	Allen screw Iso7380 M6x6; s.st.	
d	K01363-00	shot timer housing Spirit, base; s.st.	assembly: K01365-00 K01682 is shown with protective foil
e	K01682-00	tinted window for timer display	
f	K01681-00	shot timer display with 4-pole Molex plug	
g	C-BI-M3x08	Allen screw Iso7380 M3x8; s.st.	
h	K01364-00	shot timer housing Spirit cover; s.st.	
i	C-BI-M4x06	Allen screw Iso7380 M4x6; s.st.	

* Wide-body machines have different parts, contact support@keesvanderwesten.com

Rear light box

	Part number	Short description	remark
	K01339-00	frosted panel for light box Spirit	Duette
	K01341-00		Triplette
	K01340-00		Wide-body
	K01333-00	panel with Spirit logo for light box (design may vary over time)	Duette
	K01338-00		Triplette
	K01335-00		Wide-body
	K01332-00	panel with custom logo for light box (supply your own design)	Duette
	K01337-00		Triplette
	K01334-00		Wide-body
	K01367-00	full metal panel for lightbox Spirit Du (instead of lighted logo)	crackle-black
	K01368-00	full metal panel for lightbox Spirit Tr (instead of lighted logo)	crackle-black
	K01115-00	transformer; 100-240Vac → 12Vdc 1.67A	
	C-BI-M5x06	Allen screw Iso7380 M5x6; s.st.	
	C-BI-M5x16	Allen screw Iso7380 M5x16; s.st.	
		for non-listed light box items please contact us	

Drip tray, grill, milk-can support and mounting materials

	Part number	Short description	remark
a	K01267-00	drip tray Spirit Duette; s.st.	without grill
	K01268-00	drip tray Spirit Triplette	
	K01275-01 *	drip tray and grill Spirit WideBody, left half; s.st.	includes grill
	K01276-01 *	drip tray and grill Spirit WideBody, right half; s.st.	
b *	K01269-00	drip tray grill Spirit Duette; s.st.	grill only
	K01270-00	drip tray grill Spirit Triplette; s.st.	
c	K01271-00	drip tray bracket Spirit, left; s.st.	fits Duette and Triplette
d	K01272-00	drip tray bracket Spirit, right; s.st.	
e	K01359-02	cappuccino milk-can support Spirit, left; s.st.	without mounting material
	K01360-02	cappuccino milk-can support Spirit, right; s.st.	
f	K01344-00	handgrip din6336 M6 Female; black plastic	
g	C-MZ-M6	lock nut din986 M6; s.st., dome cap	
h	C-RC-M6	fender washer din9021 M6; s.st.	#
i	C-RN-6x18x2	fender washer 6x18x2mm; natural nylon	
j	K01273-00	bracket adaptor for Spirit drip tray/milk-can support; s.st.	
k	C-BK-M6x12	flanged Allen screw Iso7380-2 M6x12; s.st.	#
l	C-RS-M6	washer din125A M6; s.st.	
m	C-MH-M6	nut din934 M6; s.st.	#
n	K01361-00	cappuccino milk-can support bracket, Spirit (fits both L and R)	
o	K01362-00	milk-can support Spirit mounting set; fits left and right	set = f+g+2i+j+2l n is also needed!

* WideBody machine tray and grille cannot be ordered separately
# Is already on machine. Not needed (again) to mount milk-can support.

Exterior panels
When in search of replacement body panels, please contact us with full machine details.

Machine feet

	Part number	Short description	remark
	K01254-00	vibration damper, one-sided threads M10x23	used as feet
	K01255-00	vibration damper, dual-sided threads M10x23 and M10x28	
	K01256-00	acorn nut for Spirit feet, s.st.	polished
	K01257-00		raw
	K01258-00	vibration damper, one-sided treaded hole M10x10mm	

Pump, portafilter, Idro-matic

For parts that can be found on all our machines:

1. Pump, pump motors, water and discharge hoses:
   www.keesvanderwesten.com/downloads/pumpsandhoses.pdf

2. Portafilters and filter baskets:
   www.keesvanderwesten.com/downloads/portafilters.pdf

3. Idro-matic unit:
   www.keesvanderwesten.com/assets/idro-matic-parts-list.pdf

click the link above or copy-paste the address into your browser.

Conversion table showing new numbering with respect to former numbering.
Not all parts have old numbering. Some parts have been replaced.

K-nr.	old nr.	replaced by
K00297-00	W0014	
K00299-00	W0038	
K00626-00	B004	
K00628-00	B029-C	
K00629-00	B032	
K00630-00	B058	
K00633-00	B081-T	
K00643-02	E015-Jv2	
K00644-00	E016	
K00645-00	E017-12	
K00646-00	E017-7	
K00650-00	E020-ZW	
K00655-02	E031-11v2	
K00657-00	E032-D	
K00658-00	E032-T	
K00659-00	E033-3	
K00662-00	E050	
K00665-00	E105	
K00668-00	E130-S	
K00669-00	E4014	
K00670-00	E4014-J	
K00671-00	E4015	
K00672-00	E6012-G	
K00673-00	E6022-R	
K00674-00	E6061	
K00675-00	E6062	
K00676-05	E6063	
K00677-00	E6064	
K00678-00	F6009-5	
K00681-00	S016	
K00683-00	S039	
K00703-00	F1020-S	
K00719-00	A009-F	
K00758-00	B033	
K00759-00	B034-05	
K00760-00	B034-06	
K00761-00	B034-07	
K00762-00	B034-08	
K00764-00	B034-10	
K00773-00	B035-B	
K00775-00	B035-C06	
K00776-00	B035-C08	
K00777-00	B035-C10	
K00779-00	B036-B	
K00781-00	B068	
K00782-00	B076	
K00784-00	B078	
K00785-00	B079	
K00786-00	B082	
~~K00788-00~~	~~B1011~~	K00788-01
K00790-00	B1031-PK	
~~K00791-00~~	~~B6003-O~~	K00791-01
K00793-00	E008-P	

K-nr.	old nr.	replaced by
K00794-00	E009	
K00797-01	E027-Cv1	
K00798-00	E027-S2	
K00799-00	E027-SJ	
~~K00808-00~~	~~E1003-SJ~~	K00809-01
~~K00809-00~~	~~E1003-ST~~	K00809-01
K00809-01	E1003-SU	
K00814-00	E1071	
K00820-00	F065	
K00822-00	F126	
K00823-00	G005	
K00824-00	G013	
K00826-00	G014-80A	
K00827-00	G014-85A	
K00828-00	G014-90A	
~~K00837-00~~	~~G1007-A~~	K00837-01
K00848-00	S009	
K00849-00	S011-SP	
K00851-00	S012-ST	
K00852-00	S013	
K00853-00	S014-B	
K00855-00	S014-R	
K00856-00	S018	
K00857-00	S020	
K00858-00	S020-R	
K00862-00	S031	
K00865-00	S036	
K00866-00	S037	
K01026-00	B6003	
~~K01027-00~~	~~B6003-C~~	K01027-01
K01028-03	B6004-DCv3	
K01029-03	B6004-TCv3	
K01030-02	B6004-V2	
K01031-01	B6022-v1	
K01032-02	B6022-v2	
K01033-00	B6023	
K01034-00	B6024	
K01035-00	B6024-L	
K01038-01	B6025-D	
K01038-02	B6025-Dv2	
K01040-02	B6025-Tv2	
K01042-00	B6026-PL	
K01043-00	B6026-PM	
K01044-00	B6026-PR	
K01045-01	B6026-v1	
K01046-00	B6027	
K01047-00	B6028	
K01048-00	B6029-D	
K01050-00	B6030	
K01051-00	B6031	
K01052-02	B6035-V2	
K01053-00	B6036-DR	
K01054-00	B6036-L	

K-nr.	old nr.	replaced by
K01055-00	B6036-TM	
K01056-00	B6036-TR	
K01057-00	B6037	
K01058-00	B6042-LM	
K01059-00	B6042-R	
K01061-00	B6050	
K01062-00	B6051	
K01063-00	B6052	
K01064-00	B6053	
K01065-00	B6054	
K01066-00	B6056-L	
K01067-00	B6056-R	
K01069-00	B6060	
K01070-00	B6062	
K01071-00	B6063	
K01072-00	B6064-L	
K01075-00	B6070	
K01077-00	B6079	
K01078-00	B6081	
K01079-00	B6101-IC	
K01080-02	B6104-V2	
K01081-03	B6114-DCv3	
K01082-03	B6114-TCv3	
K01083-03	E017-Rv3	
~~K01085-02~~	~~E031-07v2~~	K03140-00
K01089-02	E6023-DL-v2	
K01090-02	E6023-TL-v2	
K01091-02	E6023-TM-v2	
~~K01092-00~~	~~E6024~~	K01092-02
K01092-02	E6024-v2	
K01093-00	E6027	
K01094-01	E6027-Cv1	
K01101-00	E6032-T	
K01115-00	E6054	
K01121-00	E6064-2	
K01122-00	E6064-6	
K01124-05	E6081-v5	
~~K01127-04~~	~~E6084-D~~	K01127-05
~~K01128-04~~	~~E6084-T~~	K01128-05
K01129-00	E6105-P	
~~K01132-00~~	~~E6131-C~~	
~~K01134-03~~	~~E6131-Cv3~~	K01133-03
K01227-00	F6011-DS	
K01229-00	F6011-TS	
K01231-00	F6012-A	
K01233-00	F6012-H	
K01235-00	F6012-Z	
K01244-00	F6016	
K01245-03	F6017	
K01246-05	F6018-C	
K01247-05	F6018-L	
K01248-05	F6018-R	
K01249-05	F6018-S	
K01250-00	F6020	
K01251-00	F6020-C	

K-nr.	old nr.	replaced by
K01254-00	F6022	
K01255-00	F6022-B	
K01256-00	F6023	
K01257-00	F6023-R	
K01267-00	F6030-D	
K01268-00	F6030-T	
K01269-00	F6031-D	
K01270-00	F6031-T	
K01271-00	F6032-L	
K01272-00	F6032-R	
K01273-00	F6033	
K01275-01	F6035-QL	
K01276-01	F6035-QR	
K01300-03	F6050-v3	
~~K01302-01~~	~~F6051~~	K01302-04
K01302-04	F6051-v3	
K01303-03	F6053-v2	
K01321-00	F6080-DA	
K01322-00	F6080-DLA	
K01323-00	F6080-QA	
K01324-00	F6080-TA	
K01325-00	F6080-TLA	
K01326-00	F6080-Z	
K01327-00	F6080-ZL	
K01332-00	F6082-DK	
K01333-00	F6082-DS	
K01334-00	F6082-QK	
K01335-00	F6082-QS	
K01337-00	F6082-TK	
K01338-00	F6082-TS	
K01339-00	F6083-DW	
K01340-00	F6083-QW	
K01341-00	F6083-TW	
K01344-00	F6090	
K01359-02	F6110-L	
K01360-02	F6110-R	
K01362-00	F6112-U	
K01363-00	F6120-A	
K01364-00	F6120-B	
K01366-00	F6123	
K01367-00	F6125-DZ	
K01368-00	F6125-TZ	
K01409-00	G6021	
K01410-00	G6022-C	
K01411-03	G6023-CL	
K01413-00	G6043-O	
K01439-00	S6005	
K01440-00	S6007	
K01441-00	S6008-K	
K01442-00	S6008-L	
K01443-05	S6010	
K01444-04	S6011	
K01445-00	S6013-C	
K01447-00	S6015-L	
K01449-00	S6015-R	

K-nr.	old nr.	replaced by
~~K01451-00~~	~~S6016~~	K01451-01
K01451-01	- -	
K01453-02	S6017-v2	
K01464-00	S6102	
K01465-00	S6103	
K01466-00	S6104	
K01468-00	S6106	
K01469-00	S6109-C	
K01471-02	G1006-vR2	
K01472-03	S6110-L	
K01475-03	S6110-R	
K01534-00	B1031-SK	
K01598-03	E1021-16-v3	
K01635-00	F1123	
K01654-00	B1008	
K01656-02	B1010-v2	
K01657-00	B1039	
K01658-01	B1041-v1	
K01659-00	B1045	
K01660-01	B1046-v1	
K01663-00	B6003-08	
K01664-00	B6003-10	
K01667-00	E1010-NC	
K01668-00	E1018-V	
K01669-03	E1020-v3	
K01675-00	E1041	
K01676-00	E1041	
K01677-00	E6040	
K01678-00	E6060	
K01679-00	E6060-K	
K01681-00	E6080	
K01682-00	E6080-N	
K01685-00	F1081-HR	
K01686-00	F1081-HZ	
K01687-03	G1001-Bv3	
K01689-02	G1002-v2	
K01690-01	G1003-v3	
K01692-00	G1004-C	
K01695-00	G1004-P	
K01696-02	G1005-v2	

K-nr.	old nr.	replaced by
K01697-02	G1006-v2	
K01700-03	G1009-Cv3	
~~K01701-00~~	~~G1010-B~~	~~K01701-01~~
~~K01701-01~~	- -	K01701-02
K01702-00	G1013	
K01703-00	G1017	
K01704-00	G1018	
K01709-03	G6042-v3	
K01710-00	G1030-C	
K01711-00	G6050-06	
K01713-00	G6050-08	
K01714-00	G6050-10	
K01716-03	G6302-K	
K01717-00	G6302-P	
K01952-00	E039-B	
K01969-01	B6039-v1	
K01970-00	B6040	
K02026-00	G6042	
~~K02100-00~~	~~E1003-iT~~	K02100-01
K02102-00	F1080-G	
K02103-00	F1080-HZ	
K02106-02	G1003-v2	
K02112-02	G6042-v2	
~~K02201-00~~	~~G1010-BW~~	K02201-01
K02286-00	- -	
K02360-00	- -	
~~K02388-00~~	- -	K02388-01
~~K02389-00~~	- -	K02389-01
~~K02390-00~~	- -	K02390-01
K02452-00	- -	
K02453-00	- -	
K02455-00	- -	
K02456-00	- -	
K02458-00	- -	
K02996-00	- -	
K02997-00	- -	
K03005-00	- -	
K03006-00	- -	
K03007-00	- -	