

Overview Of Possible Printer Actions & Compatible/Required Liquids Per Ink Type

Action on the printer	Target Mutoh ink					
	MS31	MS41 on XpertJet SR-Series	UMS on ValueJet	UMS on XPertJet SR-Series	UMS on XPI-SR-P	MS41/MS-51 on XPI-SR-P
Flushing liquid to start up new unit (before Initial ink load)	MS31 cleaning cassette VJ-MS31-CL220E	MS41 Cleaning pack MS41-CL300E	MS31 cleaning VJ-MS31-CL220E	MS41 Cleaning pack MS41-CL300E	MS31 cleaning cassette or MS41 Cleaning Pack VJ-MS31-CL220E or MS41-CL300E	MS31 cleaning cassette or MS41 Cleaning Pack VJ-MS31-CL220E or MS41-CL300E
Liquid to be used for daily maintenance/ capping	Maintenance cleaner for Eco-Solvent / LED UV based products (3)	Maintenance cleaner for Eco-Solvent / LED UV based products (3)	UMS Cleaning	UMS Cleaning	UMS Cleaning	Maintenance cleaner for Eco-Solvent / LED UV based products (3)
Flushing liquid to be used for flushing/cleaning the ink lines (no long store)	MS31 cleaning cassette	MS41 Cleaning pack	UMS Cleaning	UMS Cleaning	UMS Cleaning	MS31 cleaning cassette or MS41 Cleaning Pack
Flushing liquid to be used for long store	MS31 cleaning cassette	MS41 Cleaning pack	1) UMS cleaning 2) MS31 cleaning	1) UMS cleaning 2) MS41 cleaning	1) UMS cleaning 2) MS41 cleaning	MS31 cleaning cassette or MS41 Cleaning Pack
Flushing liquid to be used for pre flushing dampers	MS31 cleaning cassette	MS41 Cleaning pack	MS31 cleaning	MS41 Cleaning pack	MS31 cleaning cassette or MS41 cleaning pack	MS31 cleaning cassette or MS41 Cleaning Pack
Compatible flushing liquid for pre flushing spare part head	NA - Use DH-40274 (8)	NA - Use DH-40274 (8)	NA - Use DH-40274 (8)	NA - Use DH-40274 (8)	MS31 cleaning cassette or MS41 cleaning pack (10)	MS31 cleaning cassette or MS41 Cleaning Pack (10)

Conversions Solvent Printers	
Flushing liquid to be used from MS41/MS51 to UMS	MS41 Cleaning Liquid
Flushing liquid to be used from UMS to MS41/MS51	Step 1) UMS Cleaning Step 2) MS41 Cleaning Liquid
Flushing liquid to be used from Eco U (V3A) to MS31	Not Required
Flushing liquid to be used from MS41 to MS51 (or from MS51 to MS41)	MS41 Cleaning Liquid
Flushing liquid to be used from MS31 to MS51 (or from MS51 to MS31)	MS31 Cleaning Liquid

Legend	
NA	Not Applicable
(1)	-
(2)	Not required. Pre-wash with CR02 facilitates boot-up if the machine or the print head was stored for a long time.
(3)	This maintenance cleaner can be used for a selection of solvent-based products (MS31, MS41 and MS51) as well as for some UV-inks (LED UV US11, UH21, US61, US81). Do not use it for UMS ! Do not use it for UA31 inks!
(4)	Never use WBC as the last liquid in a washing cycle. Always finish with CR02 or demineralised water. When using water, always use demineralised water. Never use regular tap water. Tap water (ground water as well as surface water) contains too much dissolved minerals etc. (high TDS value)
(5)	-
(6)	Discharge & ink charge to avoid colour drift.
(7)	Moving back to waterbased state using CR02 is not recommended.
(8)	DH-40274 Print Head is prepared to accept solvent inks.
(9)	-
(10)	Pre-flushing the new print head is not mandatory.

Ref	Ink Code	Partn ²	Description	Packing	Remark
Eco-Ultra cleaning in bottles is replaced with VJ-ULVA1-ML500 - See Maintenance cleaner					
MS31	INK-3809	VJ-MS31-CL220E	220 ml MS31 cleaning	Cassette	For initial boot-up or washing
MS41	INK-3609	MS41-CL300E	300 ml Eco-Solvent MS41 Cleaning Liquid	Bag	For initial boot-up, cleaning ink lines & long store
UMS cleaning	INK-1699	RJ80UMS-100-CLN	1 liter UMS cleaning	Bottle	For periodical maintenance on printers running UMS inks
	INK-1699	VJ-LSINK1-CL44	440 ml UMS cleaning	Cassette	For washing & long store
	INK-1699	UMS11-CL300E	300 ml UMS cleaning	Bag	For cleaning ink lines, long store
Maintenance Cleaner	INK-2400	VJ-ULVA1-ML500	500 ml bottle - Maintenance cleaner for Eco-Solvent / LED UV based products	bottle	For regular maintenance on Valuejet & XpertJet printers using either the solvent inks: MS31, MS41 or MS51 or the UV inks: UH21, US11 or US61. Do not use for UMS or UA31 inks !

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Action on the printer	Target Mutoh ink					
	LED UV: UA31	LED UV: US61	LED UV: US81	LED UV: UH21	LED UV : US11	MP31
Flushing liquid to start up new unit (before Initial ink load)	UV Led cleaning UH22-CL220E UA31 CMF	UV Led cleaning UH22-CL220E	UV Led cleaning UH22-CL220E	UV Led cleaning UH22-CL220E	UV Led cleaning UH22-CL220E	MP31 cleaning bag MP31-CL500E
Liquid to be used for daily maintenance/ capping	Cleaning & maintenance Fluid for UA31	Maintenance cleaner for Eco-Solvent / LED UV based products (3)	Maintenance cleaner for Eco-Solvent / LED UV based products (3)	Maintenance cleaner for Eco-Solvent / LED UV based products (3)	Maintenance cleaner for Eco-Solvent / LED UV based products (3)	MP31 cleaning bottle
Flushing liquid to be used for flushing/cleaning the ink lines (no long store)	UA31 CMF	UV Led cleaning	UV Led cleaning	UV Led cleaning	UV Led cleaning	MP31 cleaning bag
Flushing liquid to be used for long store	Step 1 : UA31 CMF Step 2 : UV LED cleaning	UV Led cleaning	UV Led cleaning	UV Led cleaning	UV Led cleaning	MP31 cleaning bag
Flushing liquid to be used for pre flushing dampers	UV Led cleaning	UV Led cleaning	UV Led cleaning	UV Led cleaning	UV Led cleaning	MP31 cleaning bag
Compatible flushing liquid for pre flushing spare part head	NA	NA	NA	NA	NA	NA
Conversions LED UV Printers						
Flushing liquid to be used from UH21 to US11	UV Led cleaning UH22-CL220E	Note: Inspect dampers after flushing. Replace the dampers in case any deposit is found.				
Flushing liquid to be used from UH21 to UA31 ink	UV Led cleaning UH22-CL220E	Inspect dampers after flushing. Replace the dampers in case any deposit is found.				
Flushing liquid to be used from US11 to UA31 ink	UV Led cleaning UH22-CL220E	Inspect dampers after flushing. Replace the dampers in case any deposit is found.				
Flushing liquid to be used from UA31 to US11 ink	Step 1: UA31 cleaning - VJ-UA31-CL220E Step 2: UH22 cleaning - UH22-CL220E	Inspect dampers after flushing. Replace the dampers in case any deposit is found.				
Flushing liquid to be used from UA31 to UH21 ink	Step 1: UA31 cleaning - VJ-UA31-CL220E Step 2: UH22 cleaning - UH22-CL220E	Inspect dampers after flushing. Replace the dampers in case any deposit is found.				
Flushing liquid to be used from UH21 to US61	UV Led cleaning UH22-CL220E	Inspect dampers after flushing. Replace the dampers in case any deposit is found.				
Flushing liquid to be used from US61 to UH21	UV Led cleaning UH22-CL220E	Inspect dampers after flushing. Replace the dampers in case any deposit is found.				
Flushing liquid to be used from US61 to US81	No cleaning required	US61 Ink discharge & US81 Ink load without intermediate cleaning is possible				

Legend	
NA	Not Applicable
(1)	-
(2)	Not required. Pre-wash with CR02 facilitates boot-up if the machine or the print head was stored for a long time.
(3)	This maintenance cleaner can be used for a selection of solvent-based products (MS31, MS41 and MS51) as well as for some UV-inks (LED UV US11, UH21, US61, US81). Do not use it for UMS ! Do not use it for UA31 inks!
(4)	Never use WBC as the last liquid in a washing cycle. Always finish with CR02 or demineralised water. When using water, always use demineralised water. Never use regular tap water. Tap water (ground water as well as surface water) contains too much dissolved minerals etc. (high TDS value)
(5)	-
(6)	Discharge & ink charge to avoid colour drift.
(7)	Moving back to waterbased state using CR02 is not recommended.
(8)	DH-40274 Print Head is prepared to accept solvent inks.

Ref	Ink Code	Partn*	Description	Packing	Remark
MP31	INK-3309	MP31-CL500E	500 ml MP31 cleaning	bag	For initial wash, cleaning ink lines & long store
MP31	INK-3309	MP31-CL1000BE	1 liter MP31 cleaning	bottle	For daily maintenance
Maintenance Cleaner	INK-2400	VJ-ULVA1-ML500	500 ml bottle - Maintenance cleaner for Eco-Solvent / LED UV based products	bottle	For regular maintenance on ValueJet & XpertJet printers using either the solvent inks: MS31, MS41 or MSS1 or the UV inks: UH21, US11, US61 or US81. Do not use for UMS or UA31 inks !
UV Cleaning	INK-1829	UH22-CL220E	220 ml cleaning cassette for initial start-up or washing	cassette	For boot-up, cleaning & long store of XPJ and VJ UV printers
UA31 CMF	INK-3909	VJ-UA31-CL1000E	UA31 CMF Flush (Cleaning & Maintenance Fluid)	Bottle 1L	1) To perform maintenance on printers using UA31 ink. 2) To remove UA31 LED UV ink from a printer.
G5 CMF	INK-3709	PJUVG5-CL3000E	G5 CMF Flush (Cleaning & Maintenance Fluid)	Can 3L	To perform maintenance on printers using G5 ink.

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Action on the printer	Target Mutoh ink			
	DS1	DS2	DS3	DS4
Flushing liquid to start up new unit (before initial ink load)	CR02 (2)	CR02 (2)	Not Required	Not Required
Liquid to be used for daily maintenance/ capping	WBC + H ₂ O or WBC+CR02 (4)	WBC + H ₂ O or WBC+CR02 (4)	INK-4009 : DS3 Cleaning (Bottle) / DS Cleaning-Maintenance	INK-4009 : DS3 Cleaning (Bottle) / DS Cleaning-Maintenance
Flushing liquid to be used for flushing/cleaning the ink lines (no long store)	WBC	WBC	INK-4009 : DS3 Cleaning (Bottle) / DS Cleaning-Maintenance	INK-4009 : DS3 Cleaning (Bottle) / DS Cleaning-Maintenance
Flushing liquid to be used for long store	Step 1) WBC Step 2) CR02	Step 1) WBC Step 2) CR02	Step 1) INK-4009 DS3 Cleaning/ DS Cleaning-Maintenance) Step 2) CR02	Step 1) INK-4009 DS3 Cleaning/ DS Cleaning-Maintenance) Step 2) CR02
Flushing liquid to be used for pre flushing dampers	Not Required	Not Required	Not Required	Not Required
Compatible flushing liquid for pre flushing spare part head	CR02 (2)	CR02 (2)	CR02 (2)	CR02 (2)

Conversions Water-Based Printers	
Flushing liquid to be used from DS1 to DS2	not required (6)
Flushing liquid to be used from DS2 to DS1	not required (6)
Flushing liquid to be used from DS1/DS2 to DS3	step 1) WBC step 2) CR02
Flushing liquid to be used from DS3 to DS2	step 1) DS3 Cleaning step 2) CR02
Flushing liquid to be used from DS3 to DS4	not required (6)

Legend

- NA Not Applicable
- (1) -
- (2) Not required. Pre-wash with CR02 facilitates boot-up if the machine or the print head was stored for a long time.
- (3) This maintenance cleaner can be used for a selection of solvent-based products (**MS31, MS41 and MS51**) as well as for some UV-inks (**LED UV US11, UH21, US61, US81**).
Do not use it for UMS ! Do not use it for UA31 inks!
- (4) Never use WBC as the last liquid in a washing cycle. Always finish with CR02 or demineralised water.
When using water, always use demineralised water. Never use regular tap water.
Tap water (ground water as well as surface water) contains too much dissolved minerals etc. (high TDS value)
- (5) -
- (6) Discharge & ink charge to avoid colour drift.
- (7) Moving back to waterbased state using CR02 is not recommended.
- (8) DH-40274 Print Head is prepared to accept solvent inks.
- (9) -
- (10) Pre-flushing the new print head is not mandatory.
However, to facilitate the start-up you can pre-flush the PH together with the dampers.

Ref	Ink Code	Partn*	Description	Packing	Remark
WBC	INK-0199	MY-80845	1L Bottle textile waterbased cleaning	Bottle	
		MY-80846	2L Bottle textile waterbased cleaning	Bottle	
CR02	INK-0190	RJ80CR02-1000	1 L CR02	Bottle	
		RJ80CR02-500	500 ml CR02	Bottle	
DS3 Cleaning DS Cleaning-Maintenance	INK-4009	DS3-CL1000E	1 L Bottle DS3 Cleaning	Bottle	For maintenance purpose

Overview Of Possible Printer Actions & Compatible/Required Liquids Per Ink Type

Action on the printer	Target Mutoh ink
	AQUAFUZE
<i>Flushing liquid to start up new unit (before initial ink load)</i>	AQ-CL300
<i>Liquid to be used for daily maintenance/ capping</i>	AQ-CL1000B
<i>Flushing liquid to be used for flushing/cleaning the ink lines</i>	AQ-CL300
<i>Flushing liquid to be used for long store</i>	AQ-CL300
<i>Flushing liquid to be used for pre flushing dampers</i>	AQ-CL300 / AQ-CL1000B
<i>Compatible flushing liquid for pre flushing spare part head</i>	AQ-CL300 / AQ-CL1000B
Conversions Water-Based LED-UV Printers	
NA	NA

Legend

Ref	Ink Code	Partn*	Description	Packing	Remark
AQ-CL300	INK-4309	AQ-CL300	300 ml cleaning pack for initial start-up or washing	Pouch	
AQ-CL1000B	INK-4309	AQ-CL1000B	1000 ml bottle - Maintenance cleaner for water-based UV	Bottle	

Revision Information

Date	Details
Revision 36 March 20th 2020	<ol style="list-style-type: none"> 1. Added MS41 2. Added MP31 3. Deleted MP11 4. Added references to UH21 5. Overall cleanup & deleting of obsolete items & references 6. Clarification about the ULVA INK-2400 usage
Revision 37 September 21st 2021	<ol style="list-style-type: none"> 1. Added MS31 2. Added DS3 3. Added UA31 4. Split-up per product cluster: Sign & Display, Specialty/Industrial & water-based 5. Deleted obsolete part numbers
Revision 38 October 12th 2021	<ol style="list-style-type: none"> 1. Corrections part number for 1 liter UA31 CMF 2. G5 CMF 3L not declared as obsolete
Revision 39 September 21th 2022	<ol style="list-style-type: none"> 1. Added MS51 ink type 2. UH21-CL220E is replaced by UH22-CL220E. Removed references to LUH.
Revision 40 December 6th 2022	<ol style="list-style-type: none"> 1. Remove obsolete inks & references 2. Remove obsolete transitions 3. Add extra clarifications
Revision 41 December 6th 2022	<ol style="list-style-type: none"> 1. Add conversion from MS31 to MS51
Revision 42 January 20th 2025	<ol style="list-style-type: none"> 1. Added US61 details 2. Remove obsolete parts: VJ-UA31-CL220E
Revision 43 March 4th 2025	<ol style="list-style-type: none"> 1. Added AQUAFUZE Cleaning
Revision 44 March 24th 2025	<ol style="list-style-type: none"> 1. Correction of part numbers in Sign & Display and Specialty Industrial tabs 2. Remove non-released liquid
Revision 45 August 28th 2025	<ol style="list-style-type: none"> 1. Add new DS4 2. Changes related to new labelling DS3 cleaning 3. Introduction US81