

# Fount Solutions

DruckChemie provides ideal fount solutions for each machine type and corresponding dampening system, ensuring compliance with quality standards whilst minimising paper waste related outages. Our fount solutions are certified in respect to their corrosion properties and are available in all conventional quantities – from 10 kg canisters and 220 kg to 1000 kg IBC containers.

**We offer a constant pH value within the fount solution circulation with the following benefits:**

- No negative build-up of ink on the non-printing sections of the offset blanket
- No corrosion on the plates, offset blanket or printing cylinders
- No dot gain (tonal value increase)
- Optimal start-up of the plates

## Sheetfed

Our dampening additive concentrates for sheet-fed offset can be used for all substrates and, even with an extremely low dosing (2 to 3%), they prevent roller glazing and ink stripping,

thereby guaranteeing optimal plate protection. Over emulsifying of the ink is prevented and a stable ink-water balance is produced so that a problem-free print run is possible.

Sheetfed	Hard water (>12 °dH)	Soft water (>12 °dH)	Recommended alcohol volume	Max. alcohol dosing	VOC content in % EU/CH	Corrosion inhibitor	Release	Dosing	Conventional	UV
Alkoless SF 2.60		■	0	5%	8/9	■	■	2 – 3%	■	■
Alkoless SF 4.8	■		0	5%	26/26	■		3 – 4%	■	
Alkoless SF 5.0		■	0 – 5%	5%	34	■		5 – 7%	■	■
AlcoZero SF 5.0		■	0	5%	20/36	■		4 – 6%	■	
Fifty Fount SF 1.0		■	0 – 5%	8%	20			4 – 6%	■	
Monogreen SF		■	0	0	0	■		10 – 12%	■	
Wassertop DH Plus KI		■	3 – 8%	15%	0/0	■	■	2 – 3%	■	■
Wassertop SF2.0		■	3 – 8%	15%	0/0			2 – 3%	■	
Wassertop SF 3.0		■	3 – 8%	15%	0/0			2 – 3%	■	■

## Heatset

Due to continual changes in inks or ink formulations, a release of fillers, such as chalk from the ink or kaolin from the paper, often takes place. This results in washouts and deposits in the dampening water system and on the rollers. Our specially developed heatset fount solutions prevent the occurrence of these print process-hindering and time consuming effects.

Heatset	Soft water (>12 °dH)	Recommended alcohol volume	Max. alcohol dosing	VOC content in % EU/CH	Corrosion inhibitor	Release	Dosing
Monofount HS 1.2	■	0	10	30			7 – 9%
Monofount HS 1.3	■	0	10	28			7 – 9%
Wassertop 104/Plus W	■	3 – 7%	10%	6/12	■	■	2 – 3%
Wassertop HS 1.1	■	3 – 7%	10%	3/18	■		2 – 3%
Wassertop HS 2.0	■	0 – 3%	5%	33			2 – 4%
Wassertop HS 2.46	■	0	5%	13/16	■	■	2 – 3%
Wassertop HS 2.47	■	0	5%	12/18	■	■	2 – 3%
Wassertop HS 2.48	■	0	5%	10/14.5	■	■	2 – 3%
Wassertop HS 2.48 Spezial	■	0	5%	2/12	■	■	3 – 4%

All heatset fount solutions are available in hard water versions (> 12 °d.H), as well.

## Coldset

All NP series fount solutions are characterised by their high buffer capacities as well as stable pH values in ranges conducive to printing and, moreover, ensure optimal surface tension, fast start ups and, thereby, reduced paper waste. Fount solutions in the NP series permit a slight water passage and prevent an over emulsifying of the ink. Fogra corrosion approvals for Manroland and KBA vouch for the outstanding corrosion protection properties of our dampening additive concentrates, which are available for all dampening system types.

Coldset	Soft water (>12 °dH)	Hard water (>12 °dH)	Release	Dosing	Corrosion inhibitor	VOC Content EU/CH	Machine type
Wassertop NP 2117	■			2 – 3%	■	16	for all machines
Wassertop NP 2118	■		■	2 – 3%	■	6/6	for all manroland machines with turbo or spray dampening systems
Wassertop NP 2119	■		■	2 – 3%	■	3/3	for all Wifag, KBA, Goss and Manroland machines with spray dampening
Wassertop NP 2122	■		■	2 – 3%	■	8/8	for all machines with turbo or spray dampening systems
Wassertop NP 2123	■		■	2 – 3%	■	7/7	for all Wifag, KBA, Goss and Manroland machines with turbo or brush dampening systems
Wassertop NP 2124	■			2 – 3%	■	4/9	for all machines having problems with cylinder deposits
Wassertop NP 2125 LS	■			2 – 3%	■	0/1	for all machines with increased levels of foam build-up in the dampening water tank

All coldset fount solutions are available in hard water versions (> 12° d.H), as well.