

Rely on us.



sheetfed...
fountain solution guide

FlintGroup



Varn Sheetfed Fountain Solutions

The Products You Need. The Support You Deserve.

Varn fountain solutions are formulated and field tested for virtually every sheetfed printing application. Whether you're running a large KBA sheetfed press, a mid-sized Ryobi sheetfed press or a small offset duplicator, the Varn brand of fountain solutions meets your needs. They're effective, environmentally friendly, and they get the job done.

Just as important as superior product performance, printers choose Varn products because of the unrivaled technical support that comes with them. Varn products optimize the printing process, hold down costs and increase profits. Let us show you!



Varn Sheetfed Founts

One-Step Offering:

Product	Description/ Primary Areas of Use	Continuous Dampening	Plate Compatibility	Dosage Range	Buffer Capacity	pH Range	Conductivity per Ounce Over Water	V.O.C. (lbs./gal)	V.O.C. (g/l)	V.O.C. % by Weight
Supreme 7086	Universal One-Step for Continuous Dampeners. Contains more wetting agent to run a thinner water film vs. Optima or 606C.	Dahlgrens, Alcolors, Rolandmatics, Komorimatics, Epics w/ delta drive	Recommended for KPG Sword, thermal CtP, Fuji Ctp, Agfa CTP	4 to 8 oz/ gal	High	3.8 - 4.0	475	1.9	230	21
Pantheon Optima	Universal One-Step or Two-step for Continuous Dampeners. Heidelberg presses up to 40" w/ Alcolor; Komori w/ Komorimatic; Roland 300 to 900; KBA, Planeta, Royal Zenith, Mitsubishi.	As a One-Step: Start Heidelberg Alcolors at 6 opg. Start all others at 5 opg. As a Two-Step: Start at 4opg w/ Absolute 6300 at 1 opg	Recommended for KPG Sword, thermal CtP, Fuji Ctp, Agfa CTP	4 - 9 oz/ gal	Highest	3.70 - 4.0	500 µMHOS	1.9	232	232
Pantheon 606C	One-Step or Two-step for Continuous Dampeners. Heidelberg, Komori, MAN, KBA Planeta, Royal Zenith, Mitsubishi, Akiyama.	Absolute 6300 Alcohol Sub on Heidelberg @ 1 to 3 oz/ gal; Jet wet @ 1-4 opg or IPA @3% to 10%.	Primarily Metal	5 - 8 oz/ gal	Medium to High	3.8 - 4.3	300 - 375 µMHOS	1.5	179	17

Two-Step Offering:

Supreme 6038	Gen'l purpose concentrate for use with Absolute 6036 or Absolute 6035. 2 Step for Heidelberg, Komori, MAN, KBA Planeta, Royal Zenith, Mitsubishi, Akiyama. Alternate gums for ink compat.	Dahlgrens, Alcolors, Rolandmatics, Komorimatics, Epics w/ delta drive.	Recommended for KPG Sword, thermal CtP, Fuji Ctp, Agfa CTP	2.5 to 4 oz/ gal	High	3.9 - 4.2	600	1.8	216	21
Supreme 6037	Gen'l purpose concentrate for use with Absolute 6036 or Absolute 6035. 2 step for Heidelberg, Komori, MAN, KBA Planeta, Royal Zenith, Mitsubishi, Akiyama.	Dahlgrens, Alcolors, Rolandmatics, Komorimatics, Epics w/ delta drive	Recommended for KPG Sword, thermal CtP, Fuji Ctp, Agfa CTP	2.5 to 4 oz/ gal	High	3.9 - 4.2	600	1.9	230	22
Total Chrome Free	Gen'l purpose Two step Fountain Solution for most water hardness levels. Heidelberg run w/ IPA @5 - 10%. Komori, MAN, KBA Planeta, Royal Zenith, Mitsubishi, Akiyama run w/ alc. Subs or IPA.	PAR, Jet Wet or CP-630 @ 1-6 Oz/ gal or IPA @ 3 to 15%	All Plates	2 - 3 oz/ gal	Highest	4.0 - 4.5	800 - 900 µMHOS	0.7	80	7

Varn Sheetfed Founts

Duplicator Fountain Solutions:

Product	Description/ Primary Areas of Use	Continuous Dampening	Plate Compatibility	Dosage Range	Buffer Capacity	pH Range	Conductivity per Ounce Over Water	V.O.C. (lbs./gal)	V.O.C. (g/l)	V.O.C. % by Weight
Super-Lene	Glycerine-Based Fountain Solution. AB Dick, Multigraphics, Ryobi, Hamadas, ATF Chief.	Add PAR @ 1-3oz/qt	Metal & Paper Plates	1 -4 oz/qt	n/a	4.0- 6.5	350 - 450 µMHOS	1.7	203	20
Universal Pink	All-Purpose Fountain Solution. Duplicators as above. Recommended to replace Mitsi Pink and other Pink duplicator f.s.	Add PAR @ 1-3oz/qt	All Plates; contains special ingredients for silver poly plates	1 -4 oz/qt	n/a	5.0- 6.0	750 - 850 µMHOS	1.5	179	18
Versi	All-Purpose Fountain Solution. Duplicator & Small Sheetfed.	Add PAR @ 1-3oz/qt	All Plates	5 -8 oz/gal	Medium to High	4.5- 5.5	950 - 1050 µMHOS	2.3	278	27
Founts for Small Sheetfed Presses:										
Total	Medium/Hard Water Fountain Solution. Sheetfed.	Add PAR @ 2-6 oz/gal	Primarily Metal	1 -3 oz/gal	Medium	4.0- 4.5	750 - 850 µMHOS	0.5	64	6
Total Plus AR	General purpose. One-Step Fountain Solution. Can also be used w/ Alcohol subs. Sheetfed. Very good for unbaked CTP plates when problems arise with image wear or blinding.	Usually No Additives Required. Can add Jet Wet or CP-630 Alc sub @ 1-3 Oz/gal.	Primarily Metal	4 -6 oz/gal	High	4.0- 4.5	300 - 400 µMHOS	2.4	290	28

Varn Sheetfed Fountain Solution Additives

Product	Description
100% Gum Arabic Solution 14° Be.	Manufactured from the highest quality amber sorts and micro filtered to remove even the finest impurities. Non-souring for a period of 6 months. Stabilized to retain viscosity.
Ink Drying Stimulator	Premium cobalt fountain solution additive. Speeds ink drying and increases production.
Non-Piling Additive	Lubricates blanket surface to reduce or eliminate blanket piling and transfer of paper coatings into the ink train.
IPA	99% alcohol additive for printing applications using certain types of dampening systems.
PAR	Unique alternative to IPA. Print quality work on alcohol dampening systems without alcohol. No SARA III or HAP ingredients. Reduce VOC emissions 25% to 75% over IPA.
Jet Wet	Alcohol replacement. Reduces surface tension in fountain solutions and maintains a thinner film of water and ink through the entire run.
Super Defoamer 225	Extremely concentrated defoamer for foaming problems in recirculating tanks. 5 to 10 drops will defoam 5 gallons/25 liters of water.
Absolute 6300	A one step alcohol substitute designed for continuous and integrated dampeners to replace alcohol.
Absolute 6305	An alcohol substitute designed for continuous and integrated dampeners to replace alcohol. Effective at low dosages and is highly recommended for Dahlgren type dampeners. Less adjustments necessary due to compensation for the effects of alcohol. Provides adjustable wetting/surface tension. Reduces VOC.
Absolute 6306	An alcohol substitute designed for both continuous and integrated dampeners to replace alcohol. Effective at low dosages and is recommended for Heidelberg Alcolor® type dampeners. Less adjustments necessary due to compensation for the effects of alcohol. Provides adjustable wetting/surface tension. Reduces VOC.



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