

PRESS DUO elite

Perfusion Protocol



The successor to Nemoto's PRESS DUO dual-head angiographic contrast delivery system, the PRESS DUO elite system not only provides the same benefits as its predecessor but also expands upon them with several added new features and benefits, for example our new Perfusion Protocol, designed in collaboration with Siemens.

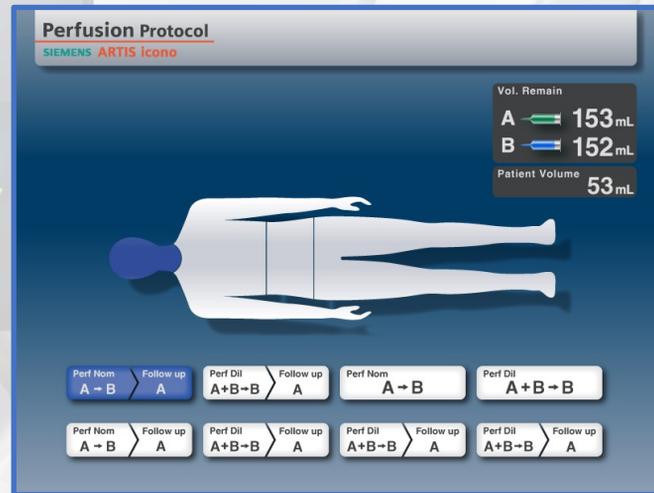
Key benefits....

- ✓ Single injections up to 150ml
- ✓ Perfusion rates up to 15ml/sec
- ✓ A safety pressure limit of 300psi
- ✓ Synchronization with the X-ray system

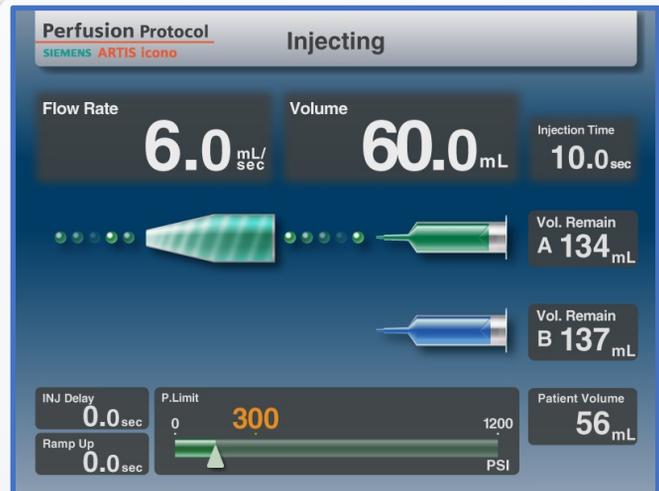
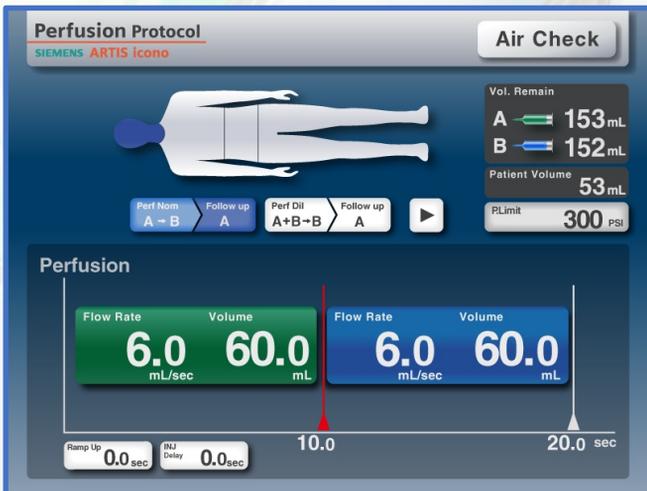
The Perfusion Protocol is included in the standard software shipped with each PRESS DUO elite and can be activated via an activation code, which can easily be obtained from Nemoto or an authorized representative. Once activated, the Perfusion Protocol will appear in the PRESS DUO elite Protocol menu and all the operation screens will clearly indicate the Perfusion Protocol is active.



Clear indication the Perfusion Protocol is activated is shown in the Protocols screen.



The Perfusion Protocol is fixed to the Head area. When selected, all protocol options are shown.



The normal operating screens, show the Perfusion Protocol name, still have the user familiar layouts and the operations to avoid confusion and reduce the risk of errors.

Specifications for Perfusion A→B Protocol

	Programming Range	Increment	Accuracy
Flow Rate	0.1 – 15.0 mL/sec	0.1	± 15%
Volume	1.0 – 150.0 mL	0.1	± 2.0mL
Pressure Limit	50 – 300 psi (400 – 2058kPa)	50psi (100kPa)	± 100psi (± 690kPa)
Ramp Up Time	0.0 – 9.9 sec	0.1	-
X-ray Delay	0.0 – 99.9 sec	0.1	-
Inject Delay	0.0 – 99.9 sec	0.1	-

Specifications for Perfusion A+B→B Protocol

	Programming Range	Increment	Accuracy
Flow Rate	0.1 – 15.0 mL/sec	0.1	± 15%
Volume	1.0 – 150.0 mL	0.1	± 2.0mL
Pressure Limit	50 – 300 psi (400 – 2058kPa)	50psi (100kPa)	± 100psi (± 690kPa)
Dilution Rate	Dilution Ratio: 1:9 – 9:1 Dilution Percentage: 10 - 90	1	-
Ramp Up Time	0.0 – 9.9 sec	0.1	-
X-ray Delay	0.0 – 99.9 sec	0.1	-
Inject Delay	0.0 – 99.9 sec	0.1	-

The Perfusion Protocol also includes a unique feature, Follow-Up Phase. The Follow-Up Phase protocol permits a follow-up injection of contrast only within the parameter settings below.

	Programming Range	Increment	Accuracy
Flow Rate	0.1 – 15.0 mL/sec	0.1	± 15%
Volume	1.0 – 150.0 mL	0.1	± 2.0mL

The Follow-Up Phase simply requires the user to release the angio Handswitch button then repress the button in order to start the injection.

If you are interested to upgrade your PRESS DUO elite injection system to include the Perfusion Protocol please contact Nemoto or your local authorized representative for further information.



Nemoto Kyorindo Co., Ltd.
2-27-20 Hongo Bunkyo-ku, Tokyo 113-0033 Japan
Info Email: info@nemoto-do.co.jp