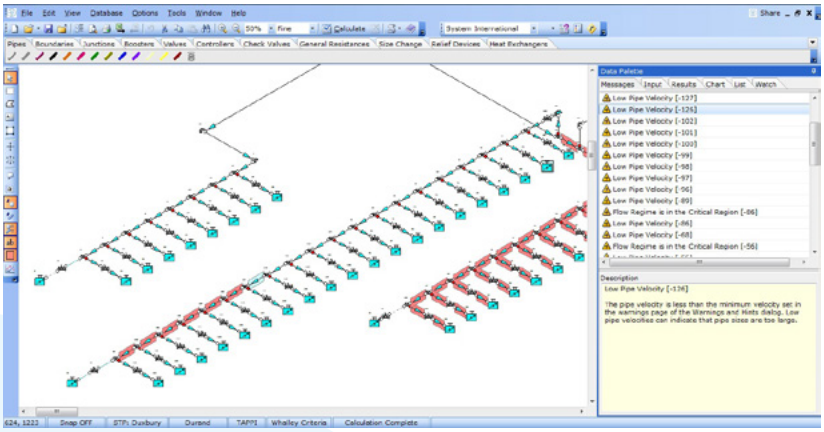
FLUIDFLOW
PRESSURE DROP SOFTWARE

FluidFlow Overview: Cut your pipe flow system design time by up to 80% whilst increasing energy efficiency and reliability of plant.

Build your flow networks quickly:

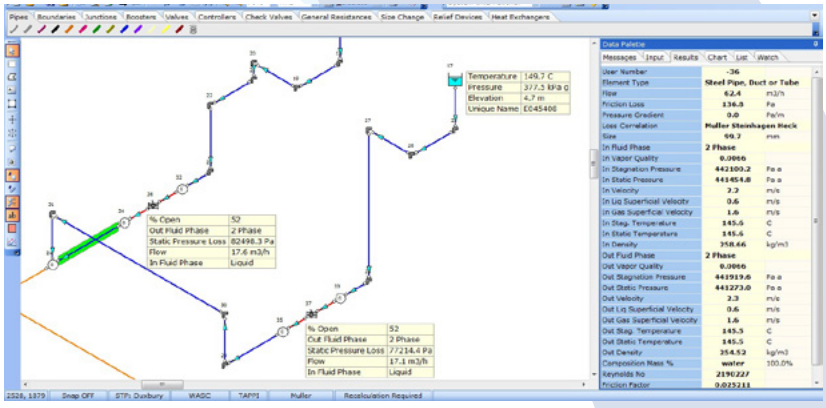
Time management is something we take seriously. The ability to model multiple fluid system types from a single model, automatically size pipes and equipment allows you to accelerate your design objectives. The FluidFlow interactive flow-sheet is unquestionably the easiest and fastest way to design and interrogate the performance of your pipe flow systems. FluidFlow will help you troubleshoot existing systems, identify operational issues, optimize system performance and develop efficient and reliable system designs.



Automatic fluid phase state detection:

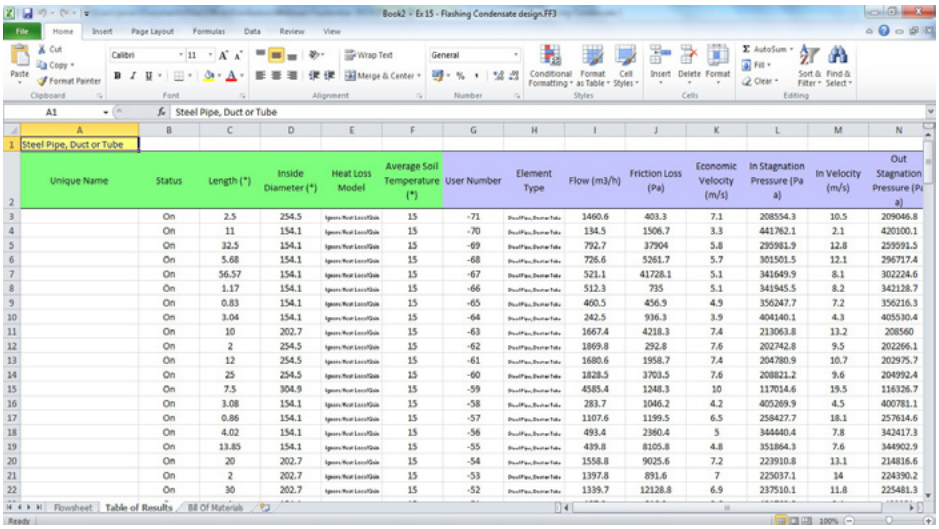
With your demo license or your full permanent license of FluidFlow, you have the ability to model multiple changes in fluid phase state from within a single piping network. FluidFlow is provided with a comprehensive database of fluids and components allowing you to set about modeling your system instantly.

DIPPR databases will soon be available as an upgrade for all of your pipe flow systems.



Two-way communication with Excel:

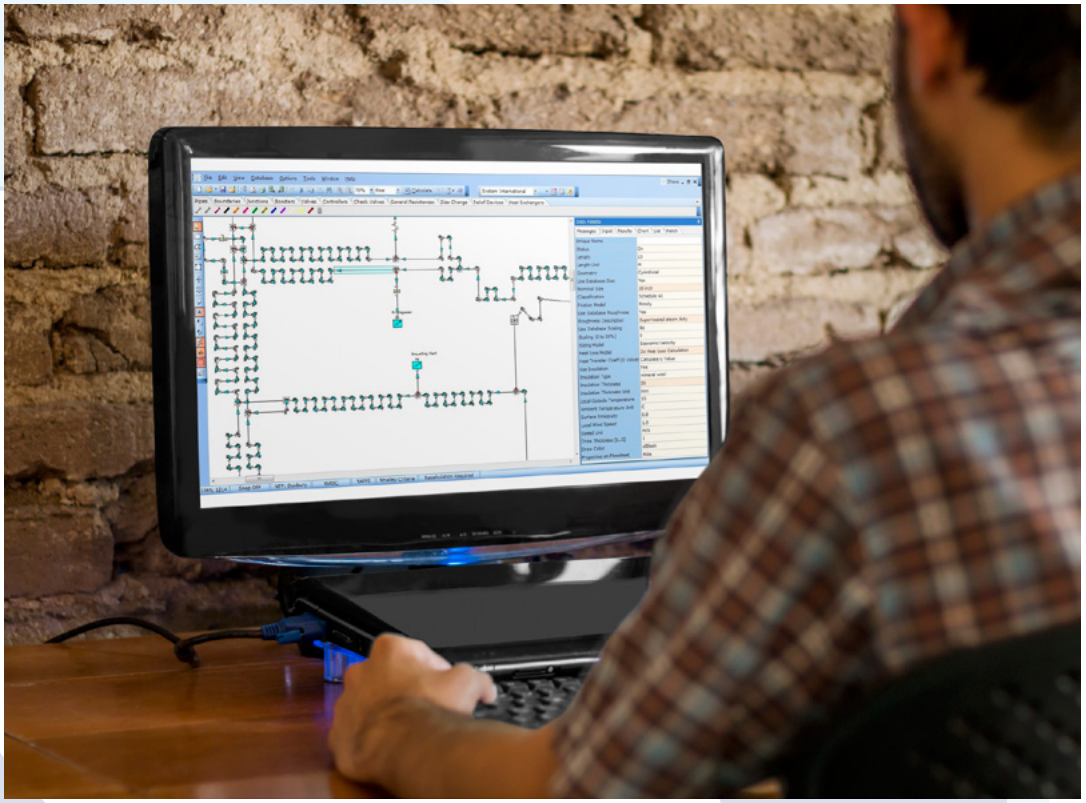
FluidFlow features a two-way communication with Excel allowing you to quickly develop system reports, table of results and bill of materials. This is hugely beneficial, particularly at project feasibility stage.



Unique Name	Status	Length (*)	Inside Diameter (*)	Heat Loss Model	Average Soil Temperature (*)	User Number	Element Type	Flow (m3/h)	Friction Loss (Pa)	Economic Velocity (m/s)	In Stagnation Pressure (Pa a)	In Velocity (m/s)	Out Stagnation Pressure (Pa a)
	On	2.5	254.5		15	-71		1460.6	403.3	7.1	208554.3	10.5	209046.8
	On	11	154.1		15	-70		134.5	1506.7	3.3	441762.1	2.1	420100.1
	On	32.5	154.1		15	-69		792.7	37904	5.8	295981.9	12.8	259591.5
	On	5.68	154.1		15	-68		726.6	5261.7	5.7	301501.5	12.1	296717.4
	On	56.57	154.1		15	-67		521.1	41728.1	5.1	341649.9	8.1	302224.6
	On	1.17	154.1		15	-66		512.3	735	5.1	341545.5	8.2	342128.7
	On	0.83	154.1		15	-65		460.5	456.9	4.9	356247.7	7.2	356216.3
	On	3.04	154.1		15	-64		242.5	936.3	3.9	404140.1	4.3	405530.4
	On	10	202.7		15	-63		1667.4	4218.3	7.4	213063.8	13.2	208560
	On	2	254.5		15	-62		1869.8	292.8	7.6	202742.8	9.5	202266.1
	On	12	254.5		15	-61		1680.6	1958.7	7.4	204780.9	10.7	202975.7
	On	25	254.5		15	-60		1828.5	3703.5	7.6	208821.2	9.6	204992.4
	On	7.5	304.9		15	-59		4585.4	1248.3	10	117014.6	19.5	116326.7
	On	3.08	154.1		15	-58		283.7	1046.2	4.2	405269.9	4.5	400781.1
	On	0.86	154.1		15	-57		1107.6	1199.5	6.5	258427.7	18.1	257614.6
	On	4.02	154.1		15	-56		493.4	2360.4	5	344440.4	7.8	342417.3
	On	13.85	154.1		15	-55		439.8	8105.8	4.8	351864.3	7.6	344902.9
	On	20	202.7		15	-54		1558.8	9025.6	7.2	223910.8	13.1	214816.6
	On	2	202.7		15	-53		1397.8	891.6	7	225037.1	14	224390.2
	On	30	202.7		15	-52		1339.7	12128.8	6.9	237510.1	11.8	225481.3

Use Thermal transfer for energy efficiency:

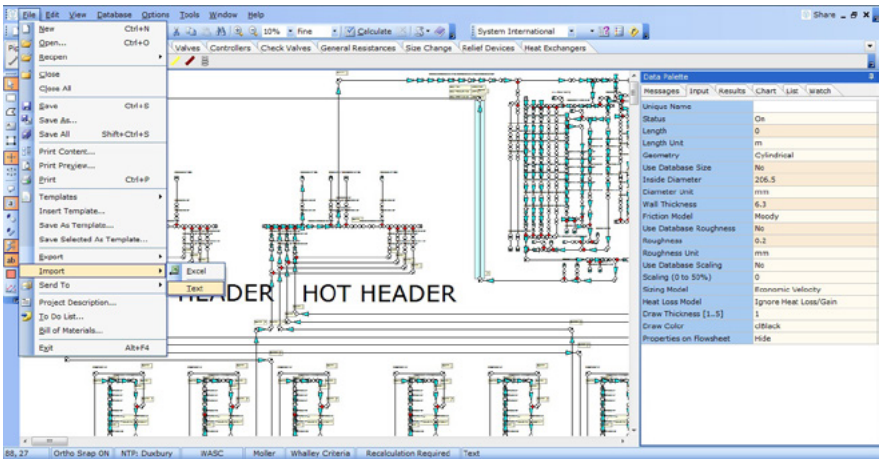
Thermal transfer is integrated into the software, ensuring you have a design which is energy efficient. Heat transfer in buried pipes can also be modeled, taking into account local soil conditions, backfill, insulation and pipe coatings.



Import data from other products via text file import:

You can use our text file import feature to import data from process simulators or other software packages.

If you have a specific query regarding importing file types, contact us for further discussion to see how we can help.

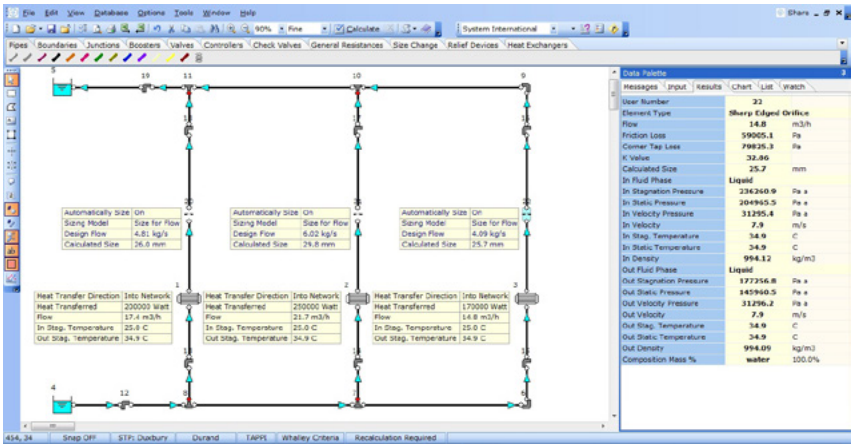


Teach yourself how to use the software in a few hours:

FluidFlow is easy to use. The software is issued with a Designer Handbook which provides the basis for the design of any piping system. To supplement this, you can also use the library for

NEW! Auto-Equipment Sizing:

FluidFlow includes a powerful auto-size feature which allows engineers to automatically size a range of elements such as pipes, centrifugal pumps, fans, compressors, PD pumps, orifice plates, nozzles, pressure and flow control valves. Pressure relief valves and bursting disks can also be auto-sized to API & ISO standards for liquids, gases, steam and two-phase flow systems.



NEW! Energy & Hydraulic Grade Lines can be plotted for your system.:

This graph plot provides a useful representation of the level of energy in a piping system. The EGL/HGL graph helps engineers quickly identify any potential trouble-spots.

This tool has been used effectively and successfully to model and troubleshoot piping systems transporting fluid/slurry over considerable distances using multiple centrifugal pumps in series. The graph plot clearly identified regions of low pressure and enabled the engineering teams to optimize the positioning of the pumps and the individual pump performance.

FREE TRIAL