

**Variable Speed Pumping In Heating And  
Cooling Circuits (AG 14/99)**

**By C. J. Parsloe**

**NorthernTool.com supplies high quality tools and -**  
Was \$289.99 Sale Clearance \$ 274. 99. Save. \$15.  
Variable Speed, 1/3 HP, Pacer Ag Chemical/Water Pump  
2in.

[http://www.northerntool.com/shop/tools/category\\_on-sale\\_384\\_96\\_P-Price%7C1](http://www.northerntool.com/shop/tools/category_on-sale_384_96_P-Price%7C1)

**Experts for chiller modeling - Linknovate -**

(>0.99) and coefficient of Environmental performance  
and economic analysis of all-variable speed chiller  
systems with A solar thermal cooling and heating

<http://www.linknovate.com/search/?q=chiller%20modeling>

**High-Efficiency, Variable- Speed Pumps from Wilo -**

I was involved with one of the first installations in New England of the Grundfos Magna pump. As part of a major heating system upgrade of the 7,000 ft<sup>2</sup> (650 m<sup>2</sup>)

<http://www2.buildinggreen.com/article/high-efficiency-variable-speed-pumps-wilo-and-grundfos>

**Final Report for Low Pressure Tests of the CPU-400 -**

----- FINAL REPORT FOR LOW PRESSURE TLSTS OF THE CPU-400 PILOT plished through a variable speed, associated with the heating and cooling of the

<http://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=9100B4AS.txt>

**ISSUU - 1852 retrofit lowres by Executive Media -**

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[http://issuu.com/executivemedia/docs/1852\\_retrofit\\_lowres](http://issuu.com/executivemedia/docs/1852_retrofit_lowres)

**Read Pre-commission cleaning of pipework systems -**

Readbag users suggest that Pre-commission cleaning of pipework in newly-fabricated heating and cooling to primary circuits. BSRIA AG 1

<http://www.readbag.com/aquaaairhygiene-uk-var-5834-181346-bsria-ag1-2001>

**Heat Pump Water heater? - The Garage Journal -**

Heat Pump Water heater? Heating and A/C. of dehumidifying the garage and cooling it because its basically an A/C pair of 120mm variable speed fans

<http://www.garagejournal.com/forum/showthread.php?t=112620&showall=1>

**PNNL-23236 ANSI/ASHRAE/IES Standard 90.1-2013 -**

PNNL-23236 ANSI/ASHRAE/IES Standard 90.1-2013

Preliminary Determination: Quantitative Analysis.

Uploaded by L. de Oliveira Ma Info; Research Interests: Mechanical

[http://www.academia.edu/9667858/PNNL-23236\\_ANSI\\_ASHRAE\\_IES\\_Standard\\_90.1-2013\\_Preliminary\\_Determination\\_Quantitative\\_Analysis](http://www.academia.edu/9667858/PNNL-23236_ANSI_ASHRAE_IES_Standard_90.1-2013_Preliminary_Determination_Quantitative_Analysis)

### **List of vacuum tubes - Wikipedia, the free -**

(also transliterated sh or j) K (Russian: ) - Variable-  
mu Acts as a heating current-controlled, variable series  
resistor designed for high speed

[https://en.wikipedia.org/wiki/List\\_of\\_vacuum\\_tubes](https://en.wikipedia.org/wiki/List_of_vacuum_tubes)

### **Variable Speed Pumps with Solar Pool Heating - -**

The variable speed pump is a perfect match for solar  
pool heating systems, especially when an automatic  
controller is used. Without a controller the pump can be

<http://www.fafcosolar.com/learn-more/variable-speed-pumps-with-solar-pool-heating/>

### **Patent US20120039567 - Multipulse system for -**

as a function of several thermal heating and cooling  
cycles; FIG. 14 also with variable exposure level  
(0-100% to 99 and following each heating-cooling

<http://www.google.com/patents/US20120039567>

### **Code W 1994 - Scribd -**

Code W 1994 - Download as PDF File (.pdf), Text file  
(.txt) or read online. Scribd is the world's largest  
social reading and publishing site. Upload. Browse.

<https://www.scribd.com/doc/81836049/Code-W-1994>

### **Federal Register | Building Energy Standards -**

Building Energy Standards Program: Final Determination  
Regarding Energy Efficiency Changes threshold of  
variable speed each year in heating, cooling,

<https://www.federalregister.gov/articles/2011/10/19/2011-27057/building-energy-standards-program-final-determination-regarding-energy-efficiency-improvements-in>

### **Variable Speed | Carrier Residential HVAC -**

Variable-speed technology from Carrier is a home comfort  
breakthrough that will give your heating and Geothermal  
Heat Pumps; Ductless Systems; Gas Furnaces; Oil

<http://www.carrier.com/homecomfort/en/us/variablespeed/>

### **www.edinburghbioquarter.com -**

only be permitted when the landlord is satisfied that  
the new system is flushed and cleaned in compliance with  
BSRIA AG heating / cooling variable speed

<http://www.edinburghbioquarter.com/nine/assets/files/SEB>

**HVAC Design Manual for Hospitals - Scribd -**

Winter: 99.6 percent design dry bulb the use of primary-secondary pumping with variable speed pump control should be Ducts for heating, cooling,

<https://www.scribd.com/doc/33445893/HVAC-Design-Manual-for-Hospitals>

**Mode Control Panel | Products & Suppliers | IHS -**

Mode Control Panel. Products & Services See also: Categories | Featured Products | Parts by Number | Technical Articles | More Information. View Specs

[http://www.globalspec.com/industrial-directory/mode\\_control\\_panel](http://www.globalspec.com/industrial-directory/mode_control_panel)

**COGSWELL -**

Heating/Cooling - 4 Pipe, "Trane", McQuay, M/N  
FCC.1.S08.Q.J.00.AG.18.A.I.C.I. , 2005, Part #210392200.  
Sump Pump(s) Computer A/C Unit (s) Condensate) 2

<http://svc.mt.gov/gsd/onestop/Upload/BUILDING-EQUIPMENT-LISTING-UPDATED-JAN-2012.doc>

**Variable Speed Pumping in Heating and Cooling -**

Variable Speed Pumping in Heating and Cooling Circuits  
AG 14/99: Amazon.es: C. J. Parsloe: Libros en idiomas extranjeros

<http://www.amazon.es/Variable-Pumping-Heating-Cooling-Circuits/dp/086022533X>

**Chris Parsloe | LinkedIn -**

View Chris Parsloe's heating and chilled water systems including district heating and cooling, AG 14/99  
Variable speed pumping in heating and cooling

<http://uk.linkedin.com/pub/chris-parsloe/12/ba3/585>

**Patent US4645908 - Residential heating, cooling -**

It would be economically very desirable if the heating/cooling load could be circuits 98, 99 are chosen so heating using variable speed heat pump:

<http://www.google.com/patents/US4645908>

**PhD Thesis: CFD Simulation of Silica Gel and Water -**

PhD Thesis: CFD Simulation of Silica Gel and Water Adsorbent Beds used in Adsorption Cooling System

[http://www.academia.edu/7729943/PhD Thesis CFD Simulation of Silica Gel and Water Adsorbent Beds used in Adsorption Cooling System](http://www.academia.edu/7729943/PhD_Thesis_CFD_Simulation_of_Silica_Gel_and_Water_Adsorbent_Beds_used_in_Adsorption_Cooling_System)

**Energy storage - Wikipedia, the free encyclopedia -**

heating or cooling to meet at a storage temperature of 65 C (149 F). A heat pump, to a very high speed and maintaining the energy in the system as

[https://en.m.wikipedia.org/wiki/Energy\\_storage](https://en.m.wikipedia.org/wiki/Energy_storage)

**Amazon.co.uk: C. Parsloe: Books, Biogs, -**

Visit Amazon.co.uk's C. Parsloe Page and shop for all C. Parsloe books. Check out pictures, bibliography, biography and community discussions about C. Parsloe

<http://www.amazon.co.uk/C.-Parsloe/e/B0034NLW98>

**Renewable energy source water pumping systems A -**

experimentally studied the performance of a 1.14 kW SPWPS using a 860 W centrifugal pump. pumps with a variable speed and a with heating and cooling

<http://www.sciencedirect.com/science/article/pii/S1364032113002633>

**Siemens Download Center DLCv3 -**

Variable Speed Drive, Heating controller, Proven applications for heating and cooling supply: Heating controller for 2 heating circuits and d.h.w. RVP36..

[http://www.downloads.siemens.com/download-center/Default.aspx?mandator=ic\\_bt&segment=HQ&pos=search\\_resultonly&fct=addtobasket&fct=listallassets&assetid=2055291&searchstr=&sortcolumn=&displayfiltercolumn=&displayfiltervalue=&languagefilter=en%20-%20Engli](http://www.downloads.siemens.com/download-center/Default.aspx?mandator=ic_bt&segment=HQ&pos=search_resultonly&fct=addtobasket&fct=listallassets&assetid=2055291&searchstr=&sortcolumn=&displayfiltercolumn=&displayfiltervalue=&languagefilter=en%20-%20Engli)

**Read AG\_31-003-1.pdf -**

The required flowrate and head can be plotted At constant impeller diameter (Variable speed) Secondary Pump Variable Flow. Application Guide AG Heating Cooling.

<http://www.readbag.com/mcquay-mcquaybiz-literature-lit->

[systems-appguide-ag-31-003-1](http://www.troublefreepool.com/threads/54907-Heating-with-a-variable-speed-pump)

**Heating with a variable speed pump - Trouble Free -**

I hope this is in the right forum area but I have a question on heating a pool with a variable speed pump. Assuming there is enough flow for the heater on a low speed

<http://www.troublefreepool.com/threads/54907-Heating-with-a-variable-speed-pump>

**Volume 8B: Heat Transfer and Thermal Engineering - -**

Heat Transfer and Thermal Engineering: efficiency as new working fluids in advanced energy cycles for heating, cooling and medium was 99% pure

<http://proceedings.asmedigitalcollection.asme.org/volume.aspx?volumeid=16999>

**www.sk4education.com -**

What are the assumptions made while performing heating & cooling In large power pump and fan type drives, where speed control variable speed pumps

[http://www.sk4education.com/question/ELECTRICAL\\_DRIVES\\_AND\\_CONTROLS.doc](http://www.sk4education.com/question/ELECTRICAL_DRIVES_AND_CONTROLS.doc)

**AIR SC-102/C - ComfortGurus.com -**

Variable Speed Controls; Heating and Cooling Systems (Heat Pump) QuietSide Ductless Split Systems. (AG Series) 10A @ 250VAC max.

[http://www.comfortgurus.com/product\\_info.php/cPath/470\\_478/products\\_id/5330](http://www.comfortgurus.com/product_info.php/cPath/470_478/products_id/5330)

**Evolution Variable- Speed Heat Pump - Bryant -**

Bryant's Evolution V variable-speed Heat Pump offers up to 18 SEER cooling and heating efficiency, using variable-speed inverter technology to provide premium comfort.

<http://www.bryant.com/products/heatpumps/evolutionv.shtml>

**Variable speed pumping in heating and cooling -**

Sets out a methodology for the design of heating and cooling systems with variable speed pumping. States these are systems where pump speed is varied in response

to

<http://www.azobuild.com/article.aspx?ArticleID=3094>

**Cherokee Status - online planning, permit and -**

AccuTemp Heating-Cooling, Inc. Pharaoh Way Canton GA  
30115 02N02 148 C, 02-0365 2-Ton Coil w/TVX / Gas  
Furnace: 2-Stage, Variable Speed 70,000 BTU w/3

[http://www.cherokeega.com/applications/cherokeestatus/cs\\_permit\\_report.cfm?d=30&filter=permitnumber&sortorder=asc&bythis=](http://www.cherokeega.com/applications/cherokeestatus/cs_permit_report.cfm?d=30&filter=permitnumber&sortorder=asc&bythis=)

**Amazon.com: C. Parsloe: Books, Biography, Blog, -**

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by C. J KS09 Commissioning Variable Flow

<http://www.amazon.com/C.-Parsloe/e/B0034NLW98>

**Brevet CA2306807C - Parallel reactor with internal -**

Parallel reactor with internal sensing and method liquid  
cooling and heating of the to the reactor block 106  
using a constant or variable speed pump

<http://www.google.fr/patents/CA2306807C?cl=en>

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