Ingersoll-Rand plc Form 4 October 29, 2009

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires: January 31, 2005

OMB APPROVAL

Estimated average burden hours per response... 0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5

obligations

may continue.

See Instruction

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1(b).

(Last)

1. Name and Address of Reporting Person <u>*</u> HENKEL HERBERT L

0.5.1.11

(First) (Middle)

C/O INGERSOLL RAND COMPANY, ONE CENTENNIAL AVENUE

(Street)

2. Issuer Name **and** Ticker or Trading Symbol

Ingersoll-Rand plc [IR]

3. Date of Earliest Transaction (Month/Day/Year) 10/27/2009

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

X Director ____ 10% Owner _X_ Officer (give title ____ Other (specify below)

Chairman and CEO

4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person ___ Form filed by More than One Reporting

Person

PISCATAWAY, NJ 08855

(City)	(State) (Zip	Table I	- Non-Deri	ivative Sec	curitie	s Acquire	ed, Disposed of, o	r Beneficially	Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)			5. Amount of 6. Securities Ownership Beneficially Form: Owned Direct (D) Following or Indirect	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
0.1			Code V	Amount	(A) or (D)		Reported Transaction(s) (Instr. 3 and 4)	(I) (Instr. 4)	
Ordinary Shares	10/27/2009		M	50,000	A	\$ 26.52	56,000	D	
Ordinary Shares	10/27/2009		S	14,500	D	\$ 33.45 (1)	41,500	D	
Ordinary Shares	10/27/2009		S	35,500	D	\$ 32.78 (2)	6,000	D	
Ordinary Shares	10/28/2009		M	50,000	A	\$ 26.52	56,000	D	

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\$

Ordinary Shares	10/28/2009	S	50,00	00 D	\$ 31.85 (3)	6,000	D					
Ordinary Shares (Performance Shares) (4)						55,200	D					
2009-2010 Performance Share Units (5)	<u>)</u>					222,618	D					
2009-2011 Performance Share Units (6)	<u>)</u>					222,618	D					
Ordinary Shares (7)						228,743.	72 D					
Ordinary Shares (EDCP) (8)						221,534.	43 D					
Ordinary Shares (EDCF II) (9)						156,853.	76 D					
Ordinary Shares (10)						10,646.6	5 I	By Plan Trustee				
Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly. Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number. SEC 1474 (9-02)												
Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)												
Security or E (Instr. 3) Pric Deri	3. Transaction Date (Month/Day/Year) (were see of ivative unity		Code	5. Number of 6. Date Exercisable and Expiration Date Securities (Month/Day/Year) 8) Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)						
			Code V	(A)		Date Exercisable	Expiration Date	Title	Amount or Number of Shares			
Stock \$ Option (right to	26.52 10/27/2009		M	50	0,000	<u>(11)</u>	01/02/2010	Ordinary Shares	50,000			

buy)

Stock Option

Option (right to \$26.52 10/28/2009 M 50,000 (11) 01/02/2010 Ordinary Shares 50,000

buy)

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

HENKEL HERBERT L C/O INGERSOLL RAND COMPANY ONE CENTENNIAL AVENUE PISCATAWAY, NJ 08855

X Chairman and CEO

Signatures

/s/ Kenneth H. Yi -Attorney-in-Fact

10/29/2009

**Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- The reported price is the weighted average price for the transactions on October 27, 2009. The range of prices for the transactions is from \$33.05 to \$34.04 per share. Information regarding the number of shares purchased at each separate price will be provided upon request of the Securities and Exchange Commission, the issuer, or a security holder of the issuer.
- The reported price is the weighted average price for the transactions on October 27, 2009. The range of prices for the transactions is from \$32.46 to \$33.04 per share. Information regarding the number of shares purchased at each separate price will be provided upon request of the Securities and Exchange Commission, the issuer, or a security holder of the issuer.
- The reported price is the weighted average price for the transactions on October 28, 2009. The range of prices for the transactions is from \$31.43 to \$32.37 per share. Information regarding the number of shares purchased at each separate price will be provided upon request of the Securities and Exchange Commission, the issuer, or a security holder of the issuer.
- (4) These shares were granted under the Ingersoll-Rand Performance Share Program and vest one year from the date of grant.
- Represents target number of performance shares. The actual number of shares to be issued, which could range from 0 to two times the initial target amount, will depend upon, among other things, the issuer's financial performance during the relevant performance period relative to S&P 500 Industrial Index. The shares, if any, will be issued in February 2011.
- Represents target number of performance shares. The actual number of shares to be issued, which could range from 0 to two times the initial target amount, will depend upon, among other things, the issuer's financial performance during the relevant performance period relative to S&P 500 Industrial Index. The shares, if any, will be issued in February 2012.
- (7) Deferred distribution of stock grants awarded under the Company's Incentive Stock Plan. Deferred shares reflect any accrued dividends on such shares.
- Represents units acquired under the IR Executive Deferred Compensation Plan (the "EDCP"), which are subject to the vesting provisions of the EDCP. The units are to be converted on a one-for-one basis and settled in Class A common shares upon the reporting person's termination of employment with the issuer, or earlier or later upon certain elections.
- Represents units acquired under the IR Executive Deferred Compensation Plan II (the "EDCP II"), which are subject to the vesting provisions of the EDCP II. The units are to be converted on a one-for-one basis and settled in Class A common shares upon the reporting person's termination of employment with the issuer, or earlier or later upon certain elections.

Reporting Owners 3

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- (10) Latest available information provided by the trustee of the Ingersoll-Rand Employee Savings Plan.
- (11) The option vested in three equal annual installments on the first, second and third anniversaries of the date of grant.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.