

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL
OMB Number: 3235-0287
Expires: February 28, 2011
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 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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(f) of the
Investment Company Act of 1940

1. Name and Address of Reporting Person *	2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)
HENKEL HERBERT L (Last) (First) (Middle)	Ingersoll-Rand plc [IR]	<input checked="" type="checkbox"/> Director _____ 10% Owner <input checked="" type="checkbox"/> Officer (give title below) _____ Other (specify below) Chairman and CEO
C/O INGERSOLL RAND COMPANY, ONE CENTENNIAL AVENUE (Street)	3. Date of Earliest Transaction (MM/DD/YYYY) 9/23/2009	
PISCATAWAY, NJ 08855 (City) (State) (Zip)	4. If Amendment, Date Original Filed (MM/DD/YYYY)	6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Trans. Date	2A. Deemed Execution Date, if any	3. Trans. Code (Instr. 8)		4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Ordinary Shares ⁽¹⁾	9/23/2009		M		25000	A	\$26.81	31000	D	
Ordinary Shares ⁽¹⁾	9/23/2009		S		25000	D	\$31.45 ⁽²⁾	6000	D	
Ordinary Shares ⁽¹⁾	9/24/2009		M		25000	D	\$26.81	31000	D	
Ordinary Shares ⁽¹⁾	9/24/2009		S		25000	D	\$30.65 ⁽³⁾	6000	D	
Ordinary Shares (Performance Shares) ⁽⁴⁾								55200	D	
2009-2010 Performance Share Units ⁽⁵⁾								222618	D	
2009-2011 Performance Share Units ⁽⁶⁾								222618	D	
Ordinary Shares ⁽⁷⁾								228743.72	D	
Ordinary Shares (EDCP) ⁽⁸⁾								221534.43	D	
Ordinary Shares (EDCP II) ⁽⁹⁾								156853.76	D	
Ordinary Shares ⁽¹⁰⁾								10664.82	I	By Plan Trustee

Table II - Derivative Securities Beneficially Owned (e.g. , puts, calls, warrants, options, convertible securities)

1. Title of Derivate Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Trans. Date	3A. Deemed Execution Date, if any	4. Trans. Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	6. Date Exercisable and Expiration Date		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (s) (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V		Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Stock Option (right)		9/23/2009						9/30/2009	Ordinary					

Table II - Derivative Securities Beneficially Owned (e.g. , puts, calls, warrants, options, convertible securities)

1. Title of Derivate Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Trans. Date	3A. Deemed Execution Date, if any	4. Trans. Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	6. Date Exercisable and Expiration Date		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (s) (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V		Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
to buy) (1)	\$26.81			M		25000	(11)		Shares	25000	\$0.00	25000	D	
Stock Option (right to buy) (1)	\$26.81	9/24/2009		M		25000	(11)	9/30/2009	Ordinary Shares	25000	\$0.00	0	D	

Explanation of Responses:

- (1) Transaction executed pursuant to a Rule 10b5-1 Plan.
- (2) The reported price is the weighted average price for the transactions on September 23, 2009. The range of prices for the transactions is from \$31.18 to \$31.90 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.
- (3) The reported price is the weighted average price for the transactions on September 24, 2009. The range of prices for the transactions is from \$30.32 to \$31.23 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.
- (5) 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.
- (6) 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.
- (8) 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.
- (9) 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.
- (10) Latest available information provided by the trustee of the Ingersoll-Rand Employee Savings Plan.
- (11) The options vest in three equal annual installments on the first, second and third anniversaries of the date of grant.

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

Kenneth H. Yi - Attorney-in-Fact

9/25/2009

** Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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