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. Name and Address of Reporting Person <u>*</u> Troutman Michael			2. Date of Event Requiring Statement (Month/Day/Year)	^g 3. Issuer Name and Ticker or Trading Symbol Rexnord Corp [RXN]				
(Last)	(First)	(Middle)	07/27/2017	4. Relationship of Reporting Person(s) to Issuer		5. If Amendment, Date Original Filed(Month/Day/Year)		
247 FRESHWATER WAY, SUITE 300				(Check all applicable)				
(Street) MILWAUKEE, WI 53214				Director 10% Owner X_Officer Other (give title below) (specify below) Chief Information Officer		6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		
(City)	(State)	(Zip)	Table I -	Non-Deriva	tive Securit	ies Be	meficially Owned	
1.Title of Secu (Instr. 4)	urity		2. Amount o Beneficially (Instr. 4)		3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Na Owne (Instr	*	
Common St	tock		4,628		D	Â		
Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly. SEC 1473 (7-02)								
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Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security		Form of	1	
		(Instr. 4)	Price of	Derivative	(Instr. 5)	
	Date Exercisable	Title	Derivative	Security:		
		The	Security	Direct (D)		

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		Expiration Date		Amount or Number of Shares		or Indirect (I) (Instr. 5)	
Stock Option (right to buy)	(1)	11/30/2017	Common Stock	39,110	\$ 4.79	D	Â
Stock Option (right to buy)	(1)	07/29/2020	Common Stock	29,138	\$ 8.888	D	Â
Stock Option (right to buy)	(1)	05/11/2022	Common Stock	45,000	\$ 22.03	D	Â
Stock Option (right to buy)	05/23/2013 <u>(2)</u>	05/23/2023	Common Stock	25,000	\$ 19	D	Â
Stock Option (right to buy)	09/03/2015 <u>(3)</u>	09/03/2024	Common Stock	17,490	\$ 29.31	D	Â
Stock Option (right to buy)	05/22/2016(4)	05/22/2025	Common Stock	25,978	\$ 25.77	D	Â
Stock Option (right to buy)	05/20/2017(4)	05/20/2026	Common Stock	38,768	\$ 19.7	D	Â
Stock Option (right to buy)	05/19/2018(4)	05/19/2027	Common Stock	18,519	\$ 23.13	D	Â
Performance Stock Units	(5)	(5)	Common Stock	2,887	\$ <u>(5)</u>	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
Troutman Michael 247 FRESHWATER WAY SUITE 300 MILWAUKEE, WI 53214	Â	Â	Chief Information Officer	Â		

Signatures

/s/ Jeffrey J. LaValle under Power of Attorney for Michael Troutman	08/04/2017
**Signature of Reporting Person	Date

Explanation of Responses:

* If the form is filed by more than one reporting person, *see* Instruction 5(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).

- (1) Option fully vested.
- (2) One half of the original option vests three years from the date listed above and the other half vests five years from the date listed above.
- (3) The original option vests in four annual installments beginning on the date listed above.

(4) The original option vests in three annual installments beginning on the date listed above.

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Each performance stock unit ("PSU") represents a contingent right to receive one share of Rexnord Corporation's common stock if certain conditions are satisfied during the three-year performance period (fiscal 2016-fiscal 2018). Vesting of the PSUs is dependent on the

(5) relative total shareholder return of Rexnord Corporation's common stock as compared to companies in the S&P 1500 Industrials Sector Index and on goals related to absolute free cash flow conversion. The target number of PSUs that may be earned is reported above; the maximum amount is 200% of the number reported.

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Remarks:

Exhibit 24-Power of Attorney

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.