
**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549**

FORM 8-K

**CURRENT REPORT
Pursuant to Section 13 or 15(d)
of the Securities Exchange Act of 1934**

Date of Report (Date of earliest event reported): June 12, 2018

CIRCOR INTERNATIONAL, INC.
(Exact Name of Registrant as Specified in its Charter)

Delaware
(State or Other Jurisdiction
of Incorporation)

001-14962
(Commission
File Number)

04-3477276
(IRS Employer
Identification No.)

**30 Corporate Drive, Suite 200
Burlington, Massachusetts**
(Address of Principal Executive Offices)

01803-4238
(Zip Code)

(781) 270-1200
(Registrant's telephone number, including area code)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Item 1.01. Entry into a Material Definitive Agreement.

On June 12, 2018, CIRCOR International, Inc. (the “Company”) and Colfax Corporation (the “Selling Stockholder”) entered into an underwriting agreement (the “Underwriting Agreement”) with Citigroup Global Markets Inc. and Deutsche Bank Securities Inc., as representatives of the several underwriters (collectively, the “Underwriters”), relating to an underwritten public offering of 3,283,424 shares (the “Shares”) of the Company’s common stock, par value \$0.01 per share (the “Common Stock”), all of which are being sold by the Selling Stockholder. The offering price of the Shares to the public is \$44.25 per share, and the Underwriters have agreed to purchase the Shares from the Selling Stockholder pursuant to the Underwriting Agreement at a price of \$42.48 per share. The Company will not receive any of the proceeds from the sale of the Shares by the Selling Stockholder. Under the terms of the Underwriting Agreement, the Company has granted the Underwriters an option, exercisable for 30 days, to purchase up to an additional 492,513 shares of Common Stock from the Company (the “Additional Shares”) on the same terms and conditions as the sale of the Shares. If the Underwriters’ option to purchase the Additional Shares is exercised in full, the Company expects to receive net proceeds of approximately \$20.4 million, after underwriting discounts and commissions and estimated offering expenses.

The Shares will be issued pursuant to an automatically effective shelf registration statement on Form S-3 that the Company filed with the Securities and Exchange Commission (the “SEC”) on March 27, 2018 (File No. 333-223958). A prospectus supplement relating to the offering has been filed with the SEC. The closing of the offering is expected to take place on June 15, 2018, subject to the satisfaction of customary closing conditions.

A copy of the Underwriting Agreement is attached as Exhibit 1.1 hereto and is incorporated herein by reference. The foregoing description of the Underwriting Agreement does not purport to be complete and is qualified in its entirety by reference to such exhibit.

A copy of the legal opinion and consent of Wilmer Cutler Pickering Hale and Dorr LLP relating to the Shares and the Additional Shares is attached as Exhibit 5.1 hereto.

Item 8.01. Other Events.

The full text of the press release announcing the pricing of the underwritten public offering on June 12 is attached as Exhibit 99.1 hereto and is incorporated herein by reference.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits.

| <u>Exhibit No.</u> | <u>Description</u> |
|--------------------|--|
| 1.1 | <u>Underwriting Agreement, dated June 12, 2018, by and among CIRCOR International, Inc., Colfax Corporation, Citigroup Global Markets Inc. and Deutsche Bank Securities Inc.</u> |
| 5.1 | <u>Opinion of Wilmer Cutler Pickering Hale and Dorr LLP.</u> |
| 23.1 | <u>Consent of Wilmer Cutler Pickering Hale and Dorr LLP (included in Exhibit 5.1).</u> |
| 99.1 | <u>Press release issued by CIRCOR International, Inc. on June 12, 2018.</u> |

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

CIRCOR INTERNATIONAL, INC.

Date: June 13, 2018

By: /s/ Rajeev Bhalla

Rajeev Bhalla

Executive Vice President and Chief Financial Officer

CIRCOR International, Inc.

3,283,424 Shares
Common Stock
(\$0.01 par value)

Underwriting Agreement

New York, New York
June 12, 2018

Citigroup Global Markets Inc.
Deutsche Bank Securities Inc.

As Representatives of the several Underwriters,

c/o Citigroup Global Markets Inc.
388 Greenwich Street
New York, New York 10013
Ladies and Gentlemen:

Colfax Corporation, a corporation organized under the laws of Delaware (the "Selling Stockholder"), proposes to sell to the several underwriters named in Schedule III hereto (the "Underwriters"), for whom you (the "Representatives") are acting as representatives, the number of shares of common stock, \$0.01 par value ("Common Stock"), of CIRCOR International, Inc., a corporation organized under the laws of Delaware (the "Company"), set forth in Schedule II hereto (said shares to be issued and sold by the Selling Stockholder collectively being hereinafter called the "Underwritten Securities"). The Company also proposes to grant to the Underwriters an option to purchase up to the number of additional shares of Common Stock set forth in Schedule I (the "Option Securities;" the Option Securities, together with the Underwritten Securities, being hereinafter called the "Securities"). The use of the neuter in this underwriting agreement (this "Agreement") shall include the feminine and masculine as the context requires.

As used in this Agreement, the "Registration Statement" means the registration statement referred to in paragraph 1(a) hereof, including the exhibits, schedules and financial statements and any prospectus supplement relating to the Securities that is filed with the Securities and Exchange Commission (the "SEC") pursuant to Rule 424(b) under the Securities Act of 1933, as amended, and the rules and regulations promulgated thereunder (the "Securities Act") and deemed part of such registration statement pursuant to Rule 430B under the Securities Act, as amended on each Effective Date, and, in the event any post-effective amendment thereto becomes effective prior to the Closing Date (as defined in Section 3 hereof), shall also mean such registration statement as so amended; the "Effective Date" means each date and time that the Registration Statement and any post-effective amendment or amendments thereto became or becomes effective; the "Base Prospectus" means the base prospectus relating to the offer and sale of debt securities, Common Stock, preferred stock, warrants, purchase contract, and units of the Company referred to in paragraph 1(a) hereof contained in the Registration Statement at the date and time that this Agreement is executed

and delivered by the parties hereto (the "Execution Time"); the "Preliminary Prospectus" means any preliminary prospectus supplement to the Base Prospectus referred to in paragraph 1(a) hereof which is used prior to the filing of the Final Prospectus, together with the Base Prospectus; and the "Final Prospectus" means the prospectus supplement relating to the Securities that is first filed pursuant to Rule 424(b) under the Securities Act after the Execution Time, together with the Base Prospectus.

Any reference herein to the Registration Statement, Base Prospectus, any Preliminary Prospectus or the Final Prospectus shall be deemed to refer to and include the documents incorporated by reference therein pursuant to Item 12 of Form S-3 which were filed under the Securities Exchange Act of 1934, as amended, and the rules and regulations promulgated thereunder (the "Exchange Act") on or before the Effective Date of the Registration Statement or the issue date of the Base Prospectus, any Preliminary Prospectus or the Final Prospectus, as the case may be; and any reference herein to the terms "amend," "amendment" or "supplement" with respect to the Registration Statement, the Base Prospectus, any Preliminary Prospectus or the Final Prospectus shall be deemed to refer to and include the filing of any document under the Exchange Act after the Effective Date of the Registration Statement or the issue date of the Base Prospectus, any Preliminary Prospectus or the Final Prospectus, as the case may be, deemed to be incorporated therein by reference.

As used in this Agreement, the "Disclosure Package" shall mean (i) the Base Prospectus, (ii) the Preliminary Prospectus used most recently prior to the Execution Time, (iii) any issuer free writing prospectus, as defined in Rule 433 under the Securities Act (an "Issuer Free Writing Prospectus"), identified in Schedule III hereto, (iv) any other free writing prospectus, as defined in Rule 405 under the Securities Act (a "Free Writing Prospectus"), that the parties hereto shall hereafter expressly agree in writing to treat as part of the Disclosure Package, and (v) the pricing information set forth on Schedule V hereto.

1. Representations and Warranties.

(i) The Company represents and warrants to, and agrees with, each Underwriter as set forth below in this Section 1.

(a) The Company meets the requirements for use of Form S-3 under the Securities Act and has prepared and filed with the SEC an automatic shelf registration statement, as defined in Rule 405 under the Securities Act ("Rule 405") (the file number of which is set forth in Schedule I hereto) on Form S-3, including a related Base Prospectus, for the registration of the offering and sale of the Securities under the Securities Act. Such Registration Statement, including any amendments thereto filed prior to the Execution Time, became effective upon filing. The Company may have filed with the SEC, as part of an amendment to the Registration Statement or pursuant to Rule 424(b), one or more preliminary prospectus supplements relating to the Securities, each of which has previously been furnished to you. The Company will file with the SEC a final prospectus supplement relating to the Securities in accordance with Rule 424(b) after the Execution Time. As filed, such final prospectus supplement shall contain all information required by the Securities Act and the rules thereunder and, except to the extent the Representatives shall agree in writing to a modification, shall be in all substantive respects in the form furnished to you prior to the Execution Time or, to the extent not completed at the Execution Time, shall contain only such specific additional information and other changes (beyond that contained in the Base Prospectus and any Preliminary Prospectus) as the Company has advised you, prior to the Execution Time,

will be included or made therein. The Registration Statement, at the Execution Time, meets the requirements set forth in Rule 415(a)(1)(x) under the Securities Act. The initial Effective Date of the Registration Statement was not earlier than the date three years before the Execution Time.

(b) (i) On each Effective Date, the Registration Statement did, and when the Final Prospectus is first filed in accordance with Rule 424(b) and on the Closing Date (as defined herein) and on any date on which Option Securities are purchased, if such date is not the Closing Date (a “settlement date”), the Final Prospectus (and any supplement thereto) will, comply in all material respects with the applicable requirements of the Securities Act and the Exchange Act and the respective rules thereunder; (ii) on each Effective Date and at the Execution Time, the Registration Statement did not and will not contain any untrue statement of a material fact or omit to state any material fact required to be stated therein or necessary in order to make the statements therein not misleading; and (iii) on the date of any filing pursuant to Rule 424(b) and on the Closing Date and any settlement date, the Final Prospectus (together with any supplement thereto) will not include any untrue statement of a material fact or omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading; provided, however, that the Company makes no representations or warranties as to the information contained in or omitted from the Registration Statement or the Final Prospectus (or any supplement thereto) in reliance upon and in conformity with information furnished in writing to the Company by or on behalf of any Underwriter through the Representatives specifically for inclusion in the Registration Statement or the Final Prospectus (or any supplement thereto), it being understood and agreed that the only such information furnished by any Underwriter consists of the information described as such in Section 8 hereof.

(c) (i) The Disclosure Package and the price to the public, the number of Underwritten Securities and the number of Option Securities to be included on the cover page of the Final Prospectus, when taken together as a whole, and (ii) each electronic road show, when taken together as a whole with the Disclosure Package and the price to the public, the number of Underwritten Securities and the number of Option Securities to be included on the cover page of the Final Prospectus, does not contain any untrue statement of a material fact or omit to state any material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading. The preceding sentence does not apply to statements in or omissions from the Disclosure Package based upon and in conformity with written information furnished to the Company by any Underwriter through the Representatives specifically for use therein, it being understood and agreed that the only such information furnished by or on behalf of any Underwriter consists of the information described as such in Section 8 hereof.

(d) (i) At the time of filing the Registration Statement, (ii) at the time of the most recent amendment thereto for the purposes of complying with Section 10(a)(3) of the Securities Act (whether such amendment was by post-effective amendment, incorporated report filed pursuant to Sections 13 or 15(d) of the Exchange Act or form of prospectus), (iii) at the time the Company or any person acting on its behalf (within the meaning, for this clause only, of Rule 163(c)) made any offer relating to the Securities in reliance on the exemption in Rule 163, and (iv) at the Execution Time (with such date being used as the determination date for purposes of this clause (iv)), the Company was or is (as the case may be) a “well-known seasoned issuer” as defined in Rule 405. The

Company agrees to pay the fees required by the SEC relating to the Securities within the time required by Rule 456(b)(1) without regard to the proviso therein and otherwise in accordance with Rules 456(b) and 457(r).

(e) (i) At the earliest time after the filing of the Registration Statement that the Company or another offering participant made a *bona fide* offer (within the meaning of Rule 164(h)(2)) under the Securities and (ii) as of the Execution Time (with such date being used as the determination date for purposes of this clause (ii)), the Company was not and is not an Ineligible Issuer (as defined in Rule 405), without taking account of any determination by the SEC pursuant to Rule 405 that it is not necessary that the Company be considered an Ineligible Issuer.

(f) Each Issuer Free Writing Prospectus does not include any information that conflicts with the information contained in the Registration Statement, including any document incorporated by reference therein and any prospectus supplement deemed to be a part thereof that has not been superseded or modified. The foregoing sentence does not apply to statements in or omissions from any Issuer Free Writing Prospectus based upon and in conformity with written information furnished to the Company (i) by or on the behalf of any Underwriter through the Representatives specifically for use therein, it being understood and agreed that the only such information furnished by or on behalf of any Underwriter consists of the information described as such in Section 8 hereof or (ii) by or on behalf of the Selling Stockholder for use therein, it being understood and agreed that the only such information furnished by or on behalf of the Selling Stockholder consists of the information described as such in Section 8 hereof.

(g) The interactive data in the eXtensible Business Reporting Language (“XBRL”) included as an exhibit to the Registration Statement fairly presents the information called for in all material respects and has been prepared in accordance with the SEC’s rules and guidelines applicable thereto.

(h) Each of the Company and its subsidiaries (i) has been duly incorporated and is validly existing as a corporation in good standing (where such concept exists under the laws of the jurisdiction in which it is chartered or organized with full corporate power and authority to own or lease, as the case may be, and to operate its properties and conduct its business as described in the Disclosure Package and the Final Prospectus, and (ii) is duly qualified to do business as a foreign corporation and is in good standing under the laws of each jurisdiction which requires such qualification except where the failure to be so qualified or in good standing would not reasonably be expected, individually or in the aggregate, to have a material adverse effect on the condition (financial or otherwise), prospects, business or properties of the Company and its subsidiaries, taken as a whole, whether or not arising from transactions in the ordinary course of business (a “Material Adverse Effect”).

(i) All the outstanding shares of capital stock of each subsidiary have been duly and validly authorized and issued and are fully paid and non-assessable, and, except as otherwise set forth in the Disclosure Package and the Final Prospectus, all outstanding shares of capital stock of the subsidiaries are owned by the Company either directly or through wholly owned subsidiaries free and clear of any perfected security interest or any other security interests, claims, liens or encumbrances.

(j) There is no franchise, contract or other document of a character required to be described in the Registration Statement or Prospectus, or to be filed as an exhibit thereto, which is not described or filed as required (and the Preliminary Prospectus contains in all material respects the same description of the foregoing matters contained in the Final Prospectus); and the statements in the Preliminary Prospectus and the Final Prospectus under the heading “Description of Capital Stock – Common Stock” and under Item 15 of the Registration Statement, insofar as such statements summarize legal matters, agreements, documents or proceedings discussed therein, are accurate and fair summaries of such legal matters, agreements, documents or proceedings.

(k) This Agreement has been duly authorized, executed and delivered by the Company.

(l) The Company is not, and immediately after giving effect to the offering and sale of the Option Securities and the application of the proceeds to the Company thereof, if any, as described in the Disclosure Package and the Final Prospectus, will not be an “investment company” as defined in the Investment Company Act of 1940, as amended.

(m) No consent, approval, authorization, filing with or order of any court or governmental agency or body is required in connection with the transactions contemplated herein, except such as have been obtained under the Securities Act and such as may be required under applicable rules of the Financial Industry Regulatory Authority (“FINRA”) rules, the blue sky laws of any jurisdiction in connection with the purchase and distribution of the Securities by the Underwriters in the manner contemplated herein and in the Disclosure Package and the Final Prospectus.

(n) Neither the issue and sale of the Securities nor the consummation of any other of the transactions herein contemplated nor the fulfillment of the terms hereof will conflict with, result in a breach or violation of, or imposition of any lien, charge or encumbrance upon any property or assets of the Company or any of its subsidiaries pursuant to, (i) the charter or by-laws of the Company or any of its subsidiaries, (ii) the terms of any indenture, contract, lease, mortgage, deed of trust, note agreement, loan agreement or other agreement, obligation, condition, covenant or instrument to which the Company or any of its subsidiaries is a party or bound or to which its or their property is subject, or (iii) any statute, law, rule, regulation, judgment, order or decree applicable to the Company or any of its subsidiaries of any court, regulatory body, administrative agency, governmental body, arbitrator or other authority having jurisdiction over the Company or any of its subsidiaries or any of its or their properties except in the case of clauses (ii) and (iii) as would not reasonably be expected to have a Material Adverse Effect.

(o) No holders of securities of the Company, other than the Selling Stockholder, have rights to require the registration of such securities under the Registration Statement and the holders of outstanding shares of capital stock of the Company are not entitled to statutory preemptive or other similar contractual rights to subscribe for the Securities.

(p) The consolidated historical financial statements of the Company and its consolidated subsidiaries included in the Preliminary Prospectus, the Final Prospectus

and the Registration Statement present fairly, in all material respects, the financial condition, results of operations and cash flows of the Company as of the dates and for the periods indicated, comply as to form, in all material respects, with the applicable accounting requirements of the Securities Act and have been prepared in conformity with generally accepted accounting principles in the United States applied on a consistent basis (except as otherwise noted therein). (i) The consolidated historical financial statements and schedules of the fluid handling business of the Selling Stockholder and its subsidiaries ("Fluid Handling") included or incorporated by reference in the Disclosure Package, the Final Prospectus and the Registration Statement present fairly, in all material respects, the financial position as of the dates shown, and the results of operations and cash flows for the periods indicated, of Fluid Handling, comply as to form, in all material respects, with the applicable accounting requirements of the Securities Act and (ii) were prepared in conformity with generally accepted accounting principles in the United States applied on a consistent basis throughout the periods involved. The pro forma financial statements included or incorporated by reference in the Disclosure Package, the Final Prospectus and the Registration Statement include assumptions that provide a reasonable basis for presenting the significant effects directly attributable to the transactions and events described therein, the related pro forma adjustments give appropriate effect to those assumptions, the pro forma adjustments reflect the proper application of those adjustments to the historical financial statement amounts in the pro forma financial statements included or incorporated by reference in the Disclosure Package, the Final Prospectus and the Registration Statement; the pro forma financial statements included or incorporated by reference in the Disclosure Package, the Final Prospectus and the Registration Statement comply as to form in all material respects with the applicable accounting requirements of Regulation S-X under the Securities Act ("Regulation S-X"); and the pro forma adjustments have been properly applied in all material respects to the historical amounts in the compilation of those statements.

(q) No action, suit or proceeding by or before any court or governmental agency, authority or body or any arbitrator involving the Company or any of its subsidiaries or its or their property is pending or, to the best knowledge of the Company, threatened that (i) would reasonably be expected to have a material adverse effect on the performance of this Agreement or the consummation of any of the transactions contemplated hereby or (ii) would reasonably be expected to have a Material Adverse Effect, except as set forth in or contemplated in the Disclosure Package and the Final Prospectus (exclusive of any amendment or supplement thereto).

(r) The Company and its subsidiaries, taken as a whole, own or lease all such properties as are necessary to the conduct of its operations as presently conducted, except where such failure to own or lease would not, individually or in the aggregate, reasonably be expected to have a Material Adverse Effect.

(s) Neither the Company nor any subsidiary is in violation or default of (i) any provision of its charter or bylaws, (ii) the terms of any indenture, contract, lease, mortgage, deed of trust, note agreement, loan agreement or other agreement, obligation, condition, covenant or instrument to which it is a party or bound or to which its property is subject, or (iii) any statute, law, rule, regulation, judgment, order or decree of any court, regulatory body, administrative agency, governmental body, arbitrator or other authority having jurisdiction over the Company or such subsidiary or any of its properties, as applicable except in the case of clauses (ii) and (iii), for such violation or default as would not, individually or in the aggregate, reasonably be expected to have a Material Adverse Effect.

(t) PricewaterhouseCoopers LLP, who have certified certain financial statements of the Company and its consolidated subsidiaries and delivered their report with respect to the audited consolidated financial statements and schedules included in the Disclosure Package and the Final Prospectus, are independent public accountants with respect to the Company within the meaning of the Securities Act and the applicable published rules and regulations thereunder. To the Company's knowledge, Ernst & Young LLP, who have certified certain financial statements of Fluid Handling and delivered their report with respect to the audited consolidated financial statements and schedules included in the Disclosure Package and the Final Prospectus, are independent public accountants with respect to Colfax Corporation within the meaning of the Securities Act and the applicable published rules and regulations thereunder.

(u) There are no transfer taxes or other similar fees or charges under Federal law or the laws of any state, or any political subdivision thereof, required to be paid in connection with the execution and delivery of this Agreement or the issuance by the Company or sale by the Company of the Securities.

(v) The Company has filed all tax returns that are required to be filed or has requested extensions thereof (except in any case in which the failure to so file would not reasonably be expected to have a Material Adverse Effect, except as set forth in or contemplated in the Disclosure Package and the Final Prospectus (exclusive of any amendment or supplement thereto)) and has paid all taxes required to be paid by it and any other assessment, fine or penalty levied against it, to the extent that any of the foregoing is due and payable, except for any such assessment, fine or penalty that is currently being contested in good faith or as would not reasonably be expected to have a Material Adverse Effect, except as set forth in or contemplated in the Disclosure Package and the Final Prospectus (exclusive of any amendment or supplement thereto).

(w) No labor problem or dispute with the employees of the Company or any of its subsidiaries exists or, to the Company's knowledge, is threatened or imminent, and the Company is not aware of any existing or imminent labor disturbance by the employees of any of its or its subsidiaries' principal suppliers, contractors or customers, that would reasonably be expected to have a Material Adverse Effect, except as set forth in or contemplated in the Disclosure Package and the Final Prospectus (exclusive of any amendment or supplement thereto).

(x) The Company and each of its subsidiaries are insured by insurers of recognized financial responsibility against such material losses and risks and in such amounts as the Company reasonably believes are prudent and customary in the businesses in which they are engaged; all policies of insurance insuring the Company or any of its subsidiaries or their respective businesses, assets, employees, officers and directors are, to the knowledge of the Company, in full force and effect; the Company and its subsidiaries are in compliance with the terms of such policies and instruments in all material respects; and there are no claims by the Company or any of its subsidiaries under any such policy or instrument as to which any insurance company has informed the Company orally or in writing that it is denying liability or defending under a reservation of rights clause; since January 1, 2016, neither the Company nor any such subsidiary has been refused any insurance coverage sought or applied for; and neither the Company nor any such subsidiary has any reason to believe that it will not be able to

renew its existing insurance coverage as and when such coverage expires or to obtain similar coverage from similar insurers as may be necessary to continue its business at a cost that would not reasonably be expected to have a Material Adverse Effect, except as set forth in or contemplated in the Disclosure Package and the Final Prospectus (exclusive of any amendment or supplement thereto).

(y) No subsidiary of the Company is currently prohibited, directly or indirectly, from paying any dividends to the Company, from making any other distribution on such subsidiary's capital stock, from repaying to the Company any loans or advances to such subsidiary from the Company or from transferring any of such subsidiary's property or assets to the Company or any other subsidiary of the Company, except as described in or contemplated by the Disclosure Package and the Final Prospectus (exclusive of any amendment or supplement thereto).

(z) The Company and its subsidiaries possess all licenses, certificates, permits and other authorizations issued by all applicable authorities necessary to conduct their respective businesses, except for the lack of which would not reasonably be expected, individually or in the aggregate, to have a Material Adverse Effect, and neither the Company nor any such subsidiary has received any notice of proceedings relating to the revocation or modification of any such certificate, authorization or permit which, singly or in the aggregate, if the subject of an unfavorable decision, ruling or finding, would reasonably be expected to have a Material Adverse Effect, except as set forth in or contemplated in the Disclosure Package and the Final Prospectus (exclusive of any amendment or supplement thereto).

(aa) The Company and its subsidiaries maintain a system of internal accounting controls sufficient to provide reasonable assurance that (i) transactions are executed in accordance with management's general or specific authorizations; (ii) transactions are recorded as necessary to permit preparation of financial statements in conformity with generally accepted accounting principles and to maintain asset accountability; (iii) access to assets is permitted only in accordance with management's general or specific authorization; (iv) the recorded accountability for assets is compared with the existing assets at reasonable intervals and appropriate action is taken with respect to any differences; and (v) the interactive data in XBRL included or incorporated by reference in the Registration Statement, the Preliminary Prospectus and the Final Prospectus is in compliance with the SEC's published rules, regulations and guidelines applicable thereto. The Company and its subsidiaries' internal controls over financial reporting are effective and the Company and its subsidiaries are not aware of any material weakness in their internal controls over financial reporting.

(bb) The Company and its subsidiaries maintain "disclosure controls and procedures" (as such term is defined in Rule 13a-15(e) under the Exchange Act; such disclosure controls and procedures are effective at the reasonable assurance level.

(cc) The Company has not taken, directly or indirectly, without giving effect to activities by the Underwriters, any action designed to or that would constitute or that would reasonably be expected to cause or result in, under the Exchange Act or otherwise, stabilization or manipulation of the price of any security of the Company to facilitate the sale or resale of the Securities.

(dd) Except as would not reasonably be expected, individually or in the aggregate, to have a Material Adverse Effect, the Company and its subsidiaries are (i) in compliance with any and all applicable foreign, federal, state and local laws and regulations relating to the protection of human health and safety, the environment or hazardous or toxic substances or wastes, pollutants or contaminants (collectively "Environmental Laws"), (ii) have received and are in compliance with all permits, licenses or other approvals required of them under applicable Environmental Laws to conduct their respective businesses and (iii) have not received written notice of any actual or potential liability under any environmental law, except as set forth in or contemplated in the Disclosure Package and the Final Prospectus (exclusive of any amendment or supplement thereto). Except as set forth in the Disclosure Package and the Final Prospectus, neither the Company nor any of the subsidiaries has been named as a "potentially responsible party" under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended.

(ee) None of the following events has occurred or exists: (i) a failure to fulfill the obligations, if any, under the minimum funding standards of Section 302 of the United States Employee Retirement Income Security Act of 1974, as amended ("ERISA"), and the regulations and published interpretations thereunder with respect to a Plan that is required to be funded, determined without regard to any waiver of such obligations or extension of any amortization period that would reasonably be expected to have a Material Adverse Effect; (ii) an audit or investigation by the Internal Revenue Service, the U.S. Department of Labor, the Pension Benefit Guaranty Corporation or any other federal or state governmental agency or any foreign regulatory agency with respect to the employment or compensation of employees by any of the Company or any of its subsidiaries that would reasonably be expected to have a Material Adverse Effect; (iii) any breach of any contractual obligation, or any violation of law or applicable qualification standards, with respect to the employment or compensation of employees by the Company or any of its subsidiaries that would reasonably be expected to have a Material Adverse Effect. None of the following events has occurred or is reasonably likely to occur: (i) a material increase in the aggregate amount of contributions required to be made to all Plans in the current fiscal year of the Company and its subsidiaries compared to the amount of such contributions made in the most recently completed fiscal year of the Company and its subsidiaries; (ii) a material increase in the "accumulated post-retirement benefit obligations" (within the meaning of Statement of Financial Accounting Standards 106) of the Company and its subsidiaries compared to the amount of such obligations in the most recently completed fiscal year of the Company and its subsidiaries; (iii) any event or condition giving rise to a liability under Title IV of ERISA that would reasonably be expected to have a Material Adverse Effect; or (iv) the filing of a claim by one or more employees or former employees of the Company or any of its subsidiaries related to their employment that would reasonably be expected to have a Material Adverse Effect. For purposes of this paragraph, the term "Plan" means a plan (within the meaning of Section 3(3) of ERISA) subject to Title IV of ERISA with respect to which the Company or any of its subsidiaries may have any liability.

(ff) There is and has been no failure on the part of the Company and any of the Company's directors or officers, in their capacities as such, to comply with any provision of the Sarbanes-Oxley Act of 2002, as amended, and the rules and regulations promulgated in connection thereunder (the "Sarbanes-Oxley Act"), including Section 402 relating to loans and Sections 302 and 906 relating to certifications, as applicable.

(gg) Neither the Company nor any of its subsidiaries nor, to the knowledge of the Company, any director, officer, agent, employee, affiliate or other person acting on behalf of the Company or any of its subsidiaries is aware of or has taken any action, directly or indirectly, that would result in a violation or a sanction for violation by such persons of the Foreign Corrupt Practices Act of 1977 or the U.K. Bribery Act 2010, each as may be amended, or similar law of any other relevant jurisdiction, or the rules or regulations thereunder; and the Company and its subsidiaries have instituted and maintain policies and procedures designed to ensure compliance therewith. No part of the proceeds of the offering will be used, directly or indirectly, in knowing violation of the Foreign Corrupt Practices Act of 1977 or the U.K. Bribery Act 2010, each as may be amended, or similar law of any other relevant jurisdiction, or the rules or regulations thereunder

(hh) The operations of the Company and its subsidiaries are and have been conducted at all times in compliance with applicable financial recordkeeping and reporting requirements and the money laundering statutes and the rules and regulations thereunder and any related or similar rules, regulations or guidelines, issued, administered or enforced by any governmental agency (collectively, the "Money Laundering Laws"), and no action, suit or proceeding by or before any court or governmental agency, authority or body or any arbitrator involving the Company or any of its subsidiaries with respect to the Money Laundering Laws is pending or, to the knowledge of the Company, threatened.

(ii) Neither the Company nor any of its subsidiaries nor, to the knowledge of the Company, any director, officer, agent, employee or affiliate of the Company or any of its subsidiaries (i) is, or is controlled or 50% or more owned in the aggregate by or is acting on behalf of, one or more individuals or entities that are currently the subject of any sanctions administered or enforced by the United States (including any administered or enforced by the Office of Foreign Assets Control of the U.S. Department of the Treasury, the U.S. Department of State or the Bureau of Industry and Security of the U.S. Department of Commerce), the United Nations Security Council, the European Union, a member state of the European Union (including sanctions administered or enforced by Her Majesty's Treasury of the United Kingdom) or other relevant sanctions authority (collectively, "Sanctions" and such persons, "Sanctioned Persons" and each such person, a "Sanctioned Person"), (ii) is located, organized or resident in a country or territory that is, or whose government is, the subject of Sanctions that broadly prohibit dealings with that country or territory (collectively, "Sanctioned Countries" and each, a "Sanctioned Country") or (iii) will, directly or indirectly, use the proceeds of this offering, or lend, contribute or otherwise make available such proceeds to any subsidiary, joint venture partner or other individual or entity in any manner that would result in a violation of any Sanctions by, or would reasonably be expected to result in the imposition of Sanctions against, any individual or entity (including any individual or entity participating in the offering, whether as underwriter, advisor, investor or otherwise).

(jj) Neither the Company nor any of its subsidiaries has knowingly engaged in any dealings or transactions with or for the benefit of a Sanctioned Person, or with or in a Sanctioned Country, in the preceding three years, nor does the Company or any of its subsidiaries have any plans to engage in dealings or transactions with or for the benefit of a Sanctioned Person, or with or in a Sanctioned Country.

(kk) The subsidiaries listed on Exhibit 21.1 to the Company's Annual Report on Form 10-K for the year ended December 31, 2017 are the only significant subsidiaries of the Company as defined by Rule 1-02 of Regulation S-X.

(ll) The Company and its subsidiaries own, possess, license or have other rights to use, all material patents, patent applications, trade and service marks, trade and service mark registrations, trade names, copyrights, licenses, inventions, trade secrets, technology, know-how and other intellectual property (collectively, the "Intellectual Property") necessary for the conduct of the Company's business as now conducted or as proposed in the Disclosure Package and Prospectus to be conducted. Except as set forth in the Disclosure Package and Prospectus, (a) there are no rights of third parties to any such Intellectual Property; (b) to the Company's knowledge, there is no infringement by third parties of any such Intellectual Property having or expected to have a Material Adverse Effect; (c) there is no pending or, to the Company's knowledge, threatened action, suit, proceeding or claim by others challenging the Company's rights in or to any such Intellectual Property, and except as would not reasonably be expected to have a Material Adverse Effect, the Company is unaware of any facts which would form a reasonable basis for any such claim; (d) there is no pending or threatened action, suit, proceeding or claim by others challenging the validity or scope of any such Intellectual Property, and, except as would not reasonably be expected to have a Material Adverse Effect, the Company is aware of no factual basis for any such claim; (e) there is no pending or, to the Company's knowledge, threatened action, suit, proceeding or claim by others that the Company infringes or otherwise violates any patent, trademark, copyright, trade secret or other proprietary rights of others and, except as would not reasonably be expected to have a Material Adverse Effect, the Company is not aware of no factual basis for any such claim; (f) there is no U.S. patent or published U.S. patent application which contains valid claims that dominate any Intellectual Property described in the Disclosure Package and the Final Prospectus as being owned by or licensed to the Company or that interferes with the issued or pending claims of any such Intellectual Property; and (g) the Company is not aware of any prior art that may render any U.S. patent held by the Company invalid or any U.S. patent application held by the Company un-patentable which has not been disclosed to the U.S. Patent and Trademark Office.

(mm) The Company does not have any material lending or other relationship with any bank or lending affiliate of Citigroup Global Markets Holdings Inc.

(ii) The Selling Stockholder represents and warrants to, and agrees with, each Underwriter that:

(a) The Selling Stockholder is the record and beneficial owner of the Underwritten Securities to be sold by it hereunder and at the Closing such Securities will be free and clear of all liens, encumbrances and claims, and has full power and authority to sell its interest in the Securities, and, upon payment for the Underwritten Securities to be sold by the Selling Stockholder, as provided herein, and delivered on the Closing Date, as directed by the Representatives, to Cede & Co. ("Cede") or such other nominee as may be designated by The Depository Trust Company ("DTC") as provided herein and the crediting of such Securities on the books of DTC to the securities account of the Representatives for the respective accounts of the several Underwriters, assuming that neither DTC nor the Representatives have notice of any adverse claim (within the meaning of Section 8-105 of the New York Uniform Commercial Code ("UCC")), the

Representatives for the respective accounts of the several Underwriters will have acquired a security entitlement (within the meaning of Section 8-102(a)(17) of the UCC) to such Securities, and no action based on an adverse claim (within the meaning of Section 8-105 of the UCC) may be asserted against the Representatives with respect to such Securities. For purposes of this representation, such Selling Stockholder may assume that when such payment, delivery and crediting occur, (x) such Underwritten Securities will have been registered in the name of Cede or another nominee designated by DTC, in each case on the Company's share registry in accordance with its certificate of incorporation and applicable law, (y) DTC will be registered as a "clearing corporation" within the meaning of Section 8-102 of the UCC, and (z) appropriate entries to the accounts of the Representatives on the records of DTC will have been made pursuant to the UCC.

(b) The Selling Stockholder has not taken, directly or indirectly, any action designed to or that would constitute or that might reasonably be expected to cause or result in, under the Exchange Act or otherwise, stabilization or manipulation of the price of any security of the Company to facilitate the sale or resale of the Underwritten Securities; provided that the Selling Stockholder makes no representation or warranty with respect to any actions taken, directly or indirectly, by the Company or any Underwriter.

(c) No consent, approval, authorization or order of any court or governmental agency or body having jurisdiction over the Selling Stockholder is required for the consummation by the Selling Stockholder of the transactions contemplated herein, except such as may have been obtained under the Act and such as may be required under applicable rules of FINRA, the blue sky laws or foreign securities laws of any jurisdiction in connection with the purchase and distribution of the Underwritten Securities by the Underwriters and such other approvals as have been or will be obtained or waived on or prior to the Closing Date.

(d) Neither the issue and sale of the Underwritten Securities nor the consummation of any other of the transactions herein contemplated nor the fulfillment of the terms hereof will conflict with, result in a breach or violation of, or imposition of any lien, charge or encumbrance upon any property or assets of the Selling Stockholder or any of its subsidiaries pursuant to, (i) the charter or by-laws of the Selling Stockholder or any of its subsidiaries, (ii) the terms of any indenture, contract, lease, mortgage, deed of trust, note agreement, loan agreement or other agreement, obligation, condition, covenant or instrument to which the Selling Stockholder or any of its subsidiaries is a party or bound or to which its or their property is subject, or (iii) any statute, law, rule, regulation, judgment, order or decree applicable to the Selling Stockholder or any of its subsidiaries of any court, regulatory body, administrative agency, governmental body, arbitrator or other authority having jurisdiction over the Selling Stockholder or any of its subsidiaries or any of its or their properties except in the case of clauses (ii) and (iii) as would not reasonably be expected to have a material adverse effect on the condition (financial or otherwise), prospects, business or properties of the Selling Stockholder and its subsidiaries, taken as a whole, whether or not arising from transactions in the ordinary course of business.

(e) In respect of any statements in or omissions from the Registration Statement, the Final Prospectus, any Preliminary Prospectus or any Free Writing Prospectus or any amendment or supplement thereto used by the Company or any

Underwriter, as the case may be, made in reliance upon and in conformity with information furnished in writing to the Company or to the Underwriters by the Selling Stockholder specifically for use in connection with the preparation thereof, which information is limited to the Selling Stockholder's name, address and number of shares of Underwritten Securities owned by the Selling Stockholder included under the heading "Selling Stockholder" in any Preliminary Prospectus and the Final Prospectus, the Selling Stockholder hereby makes the same representations and warranties to each Underwriter as the Company makes to such Underwriter under paragraphs (i)(b) or (i)(c) of this Section

(f) The Selling Stockholder represents and warrants that it is not (1) an employee benefit plan subject to Title I of the Employee Retirement Income Security Act of 1974, as amended ("ERISA"), (2) a plan or account subject to Section 4975 of the Internal Revenue Code of 1986, as amended, or (3) an entity deemed to hold "plan assets" of any such plan or account under Section 3(42) of ERISA, 29 C.F.R. 2510.3-101, or otherwise.

2. Purchase and Sale.

(a) Subject to the terms and conditions and in reliance upon the representations and warranties herein set forth, the Selling Stockholder to sell to each Underwriter, and each Underwriter agrees, severally and not jointly, to purchase from the Stockholder, at the purchase price set forth in Schedule I hereto, the number of Underwritten Securities set forth opposite such Underwriter's name in Schedule III hereto.

(b) Subject to the terms and conditions and in reliance upon the representations and warranties herein set forth, the Company hereby grants an option to the several Underwriters to purchase up to the number of Option Securities set forth in Schedule V hereto at the same purchase price per share as the Underwriters shall pay for the Underwritten Securities, less an amount per share equal to any dividends or distributions declared by the Company and payable on the Underwritten Securities but not payable on the Option Securities. Said option may be exercised in whole or in part at any time on or before the 30th day after the date of the Final Prospectus upon written notice by the Representatives to the Company setting forth the number of Option Securities as to which the several Underwriters are exercising the option and the settlement date. The number of Option Securities to be purchased by each Underwriter shall be the same percentage of the total number of Option Securities to be purchased by the several Underwriters as such Underwriter is purchasing of the Underwritten Securities, subject to such adjustments as you in your absolute discretion shall make to eliminate any fractional shares.

3. Delivery and Payment. Delivery of and payment for the Underwritten Securities and the Option Securities (if the option provided for in Section 2(b) hereof shall have been exercised on or before the second Business Day immediately preceding the Closing Date) shall be made on the date and at the time specified in Schedule I hereto, or at such time on such later date not more than two Business Days after the foregoing date as the Representatives shall designate, which date and time may be postponed by agreement among the Representatives, the Company and the Selling Stockholder or as provided in Section 9 hereof (such date and time of delivery and payment for the Securities being herein called the "Closing Date"). As used herein, "Business Day" shall mean any day other than a Saturday, a

Sunday or a legal holiday or a day on which banking institutions or trust companies are authorized or obligated by law to close in New York City. Delivery of the Securities shall be made to the Representatives for the respective accounts of the several Underwriters against payment by the several Underwriters through the Representatives of the respective aggregate purchase prices of the Securities being sold by the Company and/or the Selling Stockholder to or upon the order of the Company and/or the Selling Stockholder by wire transfer payable in same-day funds to the accounts specified by the Company and/or the Selling Stockholder. Delivery of the Underwritten Securities and the Option Securities shall be made through the facilities of The Depository Trust Company unless the Representatives shall otherwise instruct.

The Selling Stockholder will pay all applicable state transfer taxes, if any, involved in the transfer to the several Underwriters of the Securities to be purchased by them from the Selling Stockholder and the respective Underwriters will pay any additional stock transfer taxes involved in further transfers.

If the option provided for in Section 2(b) hereof is exercised after the second Business Day immediately preceding the Closing Date, the Company will deliver the Option Securities (at the expense of the Company) to the Representatives, c/o Citigroup Global Markets Inc. at 388 Greenwich Street, New York, New York, on the date specified by the Representatives (which shall be within two Business Days after exercise of said option) for the respective accounts of the several Underwriters, against payment by the several Underwriters through the Representatives of the purchase price thereof to or upon the order of the Company by wire transfer payable in same-day funds to the accounts specified by the Company. If settlement for the Option Securities occurs after the Closing Date, the Company will deliver to the Representatives on the settlement date for the Option Securities, and the obligation of the Underwriters to purchase the Option Securities shall be conditioned upon receipt of, supplemental opinions, certificates and letters confirming as of such date the opinions, certificates and letters delivered on the Closing Date pursuant to Section 6 hereof; provided that the opinion set forth in Section 6(c) and the certificate set forth in Section 6(f) shall not be required on the settlement date for the Option Securities.

4. Offering by Underwriters. It is understood that the several Underwriters propose to offer the Securities for sale to the public as set forth in the Final Prospectus.

5. Agreements. (i) The Company agrees with the several Underwriters that:

(a) Prior to the termination of the offering of the Securities, the Company will not file any amendment of the Registration Statement or supplement (including the Final Prospectus or any Preliminary Prospectus) to the Base Prospectus unless the Company has furnished you a copy for your review prior to filing and will not file any such proposed amendment or supplement to which you reasonably object. The Company will cause the Final Prospectus, properly completed, and any supplement thereto to be filed in a form approved by the Representatives with the SEC pursuant to the applicable paragraph of Rule 424(b) within the time period prescribed and will provide evidence satisfactory to the Representatives of such timely filing. The Company will promptly advise the Representatives (i) when the Final Prospectus, and any supplement thereto, shall have been filed (if required) with the SEC pursuant to Rule 424(b), (ii) when, prior to termination of the offering of the Securities, any amendment to the Registration Statement shall have been filed or become effective, (iii) of any request by the SEC or its staff for any amendment of the Registration

Statement, or any Rule 462(b) Registration Statement, or for any supplement to the Final Prospectus or for any additional information, (iv) of the issuance by the SEC of any stop order suspending the effectiveness of the Registration Statement or of any notice objecting to its use or the institution or threatening of any proceeding for that purpose and (v) of the receipt by the Company of any notification with respect to the suspension of the qualification of the Securities for sale in any jurisdiction or the institution or threatening of any proceeding for such purpose. The Company will use its reasonable best efforts to prevent the issuance of any such stop order or the occurrence of any such suspension or objection to the use of the Registration Statement and, upon such issuance, occurrence or notice of objection, to obtain as soon as possible the withdrawal of such stop order or relief from such occurrence or objection, including, if necessary, by filing an amendment to the Registration Statement or a new registration statement and using its reasonable best efforts to have such amendment or new registration statement declared effective as soon as practicable.

(b) If, at any time prior to the filing of the Final Prospectus pursuant to Rule 424(b), any event occurs as a result of which the Disclosure Package would include any untrue statement of a material fact or omit to state any material fact necessary in order to make the statements therein in the light of the circumstances under which they were made not misleading, the Company will (i) notify promptly the Representatives so that any use of the Disclosure Package may cease until it is amended or supplemented, (ii) amend or supplement the Disclosure Package to correct such statement or omission and (iii) supply any amendment or supplement to you in such quantities as you may reasonably request.

(c) If, at any time when a prospectus relating to the Securities is required to be delivered under the Securities Act (including in circumstances where such requirement may be satisfied pursuant to Rule 172), any event occurs as a result of which the Final Prospectus as then supplemented would include any untrue statement of a material fact or omit to state any material fact necessary in order to make the statements therein in the light of the circumstances under which they were made not misleading, or if it shall be necessary to amend the Registration Statement, file a new registration statement or supplement the Final Prospectus to comply with the Securities Act or the Exchange Act or the respective rules thereunder, including in connection with use or delivery of the Final Prospectus, the Company promptly will (i) notify the Representatives of any such event, (ii) prepare and file with the SEC, subject to the second sentence of paragraph (a) of this Section 5, an amendment or supplement or new registration statement which will correct such statement or omission or effect such compliance; and (iii) supply any supplemented Final Prospectus to you in such quantities as you may reasonably request.

(d) As soon as reasonably practicable, the Company will make generally available to its security holders and to the Representatives an earnings statement or statements of the Company and its subsidiaries which will satisfy the provisions of Section 11(a) of the Securities Act and Rule 158 under the Securities Act.

(e) Upon request, the Company will furnish to the Representatives and counsel for the Underwriters, without charge, signed copies of the Registration Statement (including exhibits thereto) and to each other Underwriter a copy of the Registration Statement (without exhibits thereto) and, so long as delivery of a prospectus by an Underwriter or dealer may be required by the Securities Act (including in

circumstances where such requirement may be satisfied pursuant to Rule 172), as many copies of each Preliminary Prospectus, the Final Prospectus and each Issuer Free Writing Prospectus and any supplement thereto as the Representatives may reasonably request.

(f) The Company will arrange, if necessary, for the qualification of the Securities for sale under the laws of such jurisdictions as the Representatives may reasonably request and will use its reasonable best efforts to maintain such qualifications in effect so long as required for the distribution of the Securities; provided that in no event shall the Company be obligated to qualify to do business in any jurisdiction where it is not now so qualified or to take any action that would subject it to service of process in suits, other than those arising out of the offering or sale of the Securities, in any jurisdiction where it is not now so subject.

(g) The Company will not, without the prior written consent of Citigroup Global Markets Inc. offer, sell, contract to sell, pledge, or otherwise dispose of, (or enter into any transaction which is designed to, or might reasonably be expected to, result in the disposition (whether by actual disposition or effective economic disposition due to cash settlement or otherwise) by the Company or any affiliate of the Company or any person in privity with the Company or any affiliate of the Company) directly or indirectly, including the filing (or participation in the filing) of a registration statement (other than a registration statement on Form S-8) with the SEC in respect of, or establish or increase a put equivalent position or liquidate or decrease a call equivalent position within the meaning of Section 16 of the Exchange Act, any other shares of Common Stock or any securities convertible into, or exercisable for, shares of Common Stock; or publicly announce an intention to effect any such transaction, for a period of 60 days after the date of this Agreement, provided, however, that the Company may (i) issue and sell shares of Common Stock, or any securities convertible into or exercisable or exchangeable for shares of Common Stock, pursuant to any employee stock option plan, stock purchase plan, incentive plan, stock ownership plan or dividend reinvestment plan of the Company in effect at the Execution Time or disclosed in the Disclosure Package or the Prospectus, (ii) issue shares of Common Stock issuable upon the conversion or exercise of securities outstanding at the Execution Time, (iii) file one or more registration statements on Form S-8 and (iv) offer, issue and sell shares of Common Stock, or any securities convertible into or exercisable or exchangeable for shares of Common Stock, in connection with any merger, acquisition or strategic investment (including any joint venture, strategic alliance or partnership); provided, that (A) the aggregate number of shares of Common Stock issued or issuable in accordance with this clause (iv) do not exceed 10% of the number of shares of Common Stock outstanding immediately after the issuance and sale of the Securities and (B) each recipient of any such shares of Common Stock or other securities agrees to restrictions on the resale of securities that are consistent with the provisions set forth in the form of lock-up agreement attached as Exhibit A hereto for the remainder of the 60-day restricted period.

(h) The Company will not take, directly or indirectly, without giving effect to activities by the Underwriters, any action designed to or that would constitute or that would reasonably be expected to cause or result in, under the Exchange Act or otherwise, stabilization or manipulation of the price of any security of the Company to facilitate the sale or resale of the Securities.

(i) The Company agrees to pay the costs and expenses relating to the following matters: (i) the preparation, printing or reproduction and filing with the SEC of the Registration Statement (including financial statements and exhibits thereto), each Preliminary Prospectus, the Final Prospectus and each Issuer Free Writing Prospectus, and each amendment or supplement to any of them; (ii) the printing (or reproduction) and delivery (including postage, air freight charges and charges for counting and packaging) of such copies of the Registration Statement, each Preliminary Prospectus, the Final Prospectus and each Issuer Free Writing Prospectus, and all amendments or supplements to any of them, as may, in each case, be reasonably requested for use in connection with the offering and sale of the Securities; (iii) the preparation, printing, authentication, issuance and delivery of certificates for the Securities, including any stamp or transfer taxes in connection with the original issuance and sale of the Securities; (iv) the printing (or reproduction) and delivery of this Agreement, any blue sky memorandum and all other agreements or documents printed (or reproduced) and delivered in connection with the offering of the Securities; (v) the registration of the Securities under the Exchange Act and the listing of the Securities on the New York Stock Exchange; (vi) any registration or qualification of the Securities for offer and sale under the securities or blue sky laws of the several states (including filing fees and the reasonable fees and expenses of counsel for the Underwriters relating to such registration and qualification); (vii) any filings required to be made with the FINRA (including filing fees and the reasonable fees and expenses of counsel for the Underwriters relating to such filings); (viii) the transportation and other expenses incurred by or on behalf of Company representatives in connection with presentations to prospective purchasers of the Securities; (ix) the fees and expenses of the Company's accountants and the fees and expenses of counsel (including local and special counsel) for the Company and one primary outside counsel (who shall be Skadden, Arps, Slate, Meagher & Flom LLP), plus local counsel (which local counsel shall be selected by the Company and reasonably acceptable to the Selling Stockholder) for the Selling Stockholder; and (x) all other costs and expenses incident to the performance by the Company and the Selling Stockholder of their obligations hereunder. The provisions of this Section shall not affect any agreement that the Company and the Selling Stockholder may make for the sharing of such costs and expenses.

(j) The Company agrees that, unless it has or shall have obtained the prior written consent of the Representatives, and each Underwriter, severally and not jointly, agrees with the Company that, unless it has or shall have obtained, as the case may be, the prior written consent of the Company, it has not made and will not make any offer relating to the Securities that would constitute an Issuer Free Writing Prospectus or that would otherwise constitute a Free Writing Prospectus required to be filed by the Company with the SEC or retained by the Company under Rule 433 under the Securities Act ("Rule 433"); provided that the prior written consent of the parties hereto shall be deemed to have been given in respect of the Free Writing Prospectuses included in Schedule III hereto and any electronic road show. Any such free writing prospectus consented to by the Representatives or the Company is hereinafter referred to as a "Permitted Free Writing Prospectus." The Company agrees that (x) it has treated and will treat, as the case may be, each Permitted Free Writing Prospectus as an Issuer Free Writing Prospectus and (y) it has complied and will comply, as the case may be, with the requirements of Rule 164 under the Securities Act ("Rule 164") and Rule 433 applicable to any Permitted Free Writing Prospectus, including in respect of timely filing with the SEC, legending and record keeping.

(ii) The Selling Stockholder agrees with the several Underwriters that:

(a) The Selling Stockholder will not take, directly or indirectly, any action designed to or that would constitute or that might reasonably be expected to cause or result in, under the Exchange Act or otherwise, stabilization or manipulation of the price of any security of the Company to facilitate the sale or resale of the Underwritten Securities; provided that the Selling Stockholder shall have no responsibility with respect to any actions taken, directly or indirectly, by the Company or any Underwriter.

(b) The Selling Stockholder will not, directly or indirectly, use the proceeds of the offering of Underwritten Securities, or lend, contribute or otherwise make available such proceeds to any subsidiary, joint venture partner or other person in any manner that will result in a violation of Sanctions by, or could result in the imposition of Sanctions against, any person (including any person participating in such offering, whether as underwriter, advisor, investor or otherwise).

(c) The Selling Stockholder will advise you promptly, and if requested by you, will confirm such advice in writing, so long as delivery of a prospectus relating to the Securities by an underwriter or dealer may be required under the Act, of (i) any change in information in the Registration Statement, the Final Prospectus, any Preliminary Prospectus or any Issuer Free Writing Prospectus or any amendment or supplement thereto relating to the Selling Stockholder or (ii) any new material information relating to the Company or relating to any matter stated in the Final Prospectus or any Free Writing Prospectus which comes to the attention of the Selling Stockholder.

(d) The Selling Stockholder represents that it has not prepared or had prepared on its behalf or used or referred to, and agrees that it will not prepare or have prepared on its behalf or use or refer to, any Free Writing Prospectus, and has not distributed and will not distribute any written materials in connection with the offer or sale of the Securities.

6. Conditions to the Obligations of the Underwriters. (i) The obligations of the Underwriters to purchase the Underwritten Securities shall be subject to the accuracy of the representations and warranties on the part of the Company and the Selling Stockholder contained herein as of the Execution Time, the Closing Date and any settlement date pursuant to Section 3 hereof, to the accuracy of the statements of the Company and the Selling Stockholder made in any certificates pursuant to the provisions hereof, and to the performance by the Company and the Selling Stockholder of their respective obligations hereunder and (ii) the obligations of the Underwriters to purchase the Option Securities shall be subject to the accuracy of the representations and warranties on the part of the Company contained herein as of the Execution Time, the Closing Date and any settlement date pursuant to Section 3 hereof, to the accuracy of the statements of the Company made in any certificates pursuant to the provisions hereof, and to the performance by the Company of its obligations hereunder and, in each case, to the following additional conditions:

(a) The Final Prospectus, and any supplement thereto, have been filed in the manner and within the time period required by Rule 424(b); any material required to be filed by the Company pursuant to Rule 433(d) shall have been filed with the SEC within the applicable time periods prescribed for such filings by Rule 433; and no stop order suspending the effectiveness of the Registration Statement or any notice objecting to its use shall have been issued and no proceedings for that purpose shall have been instituted or threatened.

(b) The Company shall have requested and caused Wilmer Cutler Pickering Hale and Dorr LLP, counsel for the Company, to have furnished to the Representatives their opinion, dated the Closing Date or any settlement date pursuant to Section 3 hereof, as applicable, and addressed to the Representatives, in a form reasonably satisfactory to the Representatives.

(c) The Selling Stockholder shall have requested and caused Skadden, Arps, Slate, Meagher & Flom LLP, counsel for the Selling Stockholder, to have furnished to the Representatives their opinion dated the Closing Date and addressed to the Representatives, in a form reasonably satisfactory to the Representatives. In rendering such opinion, such counsel may rely (A) as to matters involving the application of laws of any jurisdiction other than the State of New York or the Federal laws of the United States, to the extent they deem proper and specified in such opinion, upon the opinion of other counsel of good standing whom they believe to be reliable and who are satisfactory to counsel for the Underwriters, and (B) as to matters of fact, to the extent they deem proper, on certificates of responsible officers of the Selling Stockholder and public officials.

(d) The Representatives shall have received from Winston & Strawn LLP, counsel for the Underwriters, such opinion or opinions, dated the Closing Date or any settlement date pursuant to Section 3 hereof, as applicable, and addressed to the Representatives, with respect to the issuance and sale of the Securities, the Registration Statement, the Disclosure Package, the Final Prospectus (together with any supplement thereto) and other related matters as the Representatives may reasonably require, and the Company and the Selling Stockholder shall have furnished to such counsel such documents as they reasonably request for the purpose of enabling them to pass upon such matters.

(e) The Company shall have furnished to the Representatives a certificate of the Company, signed by the principal executive officer and the principal financial or accounting officer of the Company, dated the Closing Date or any settlement date pursuant to Section 3 hereof, as applicable, to the effect that the signers of such certificate have carefully examined the Registration Statement, the Disclosure Package, the Final Prospectus and any amendments or supplements thereto, as well as each electronic road show used in connection with the offering of the Securities, and this Agreement and that:

(i) the representations and warranties of the Company in this Agreement are true and correct on and as of the Closing Date with the same effect as if made on the Closing Date and the Company has complied with all the agreements and satisfied all the conditions on its part to be performed or satisfied at or prior to the Closing Date;

(ii) no stop order suspending the effectiveness of the Registration Statement or any notice objecting to its use has been issued and no proceedings for that purpose have been instituted or, to the Company's knowledge, threatened; and

(iii) since the date of the most recent financial statements included or incorporated by reference in the Disclosure Package and the Final Prospectus (exclusive of any amendment or supplement thereto), there has been no Material Adverse Effect, except as set forth in or contemplated in the Disclosure Package and the Final Prospectus (exclusive of any amendment or supplement thereto).

(f) The Selling Stockholder shall have furnished to the Representatives a certificate, signed by the principal executive officer and the principal financial or accounting officer of the Selling Stockholder, dated the Closing Date, to the effect that the signers of such certificate have carefully examined the Registration Statement, the Disclosure Package, the Final Prospectus, any Issuer Free Writing Prospectus and any supplements or amendments thereto and this Agreement, and that the representations and warranties of the Selling Stockholder in this Agreement are true and correct in all material respects on and as of the Closing Date to the same effect as if made on the Closing Date.

(g) The Company shall have requested and caused PricewaterhouseCoopers LLP to have furnished to the Representatives, at the Execution Time, the Closing Date and any settlement date pursuant to Section 3 hereof, letters (which may refer to letters previously delivered to the Representatives), dated respectively as of the Execution Time, the Closing Date and any settlement date pursuant to Section 3, in form and substance satisfactory to the Representatives, containing statements customarily included in accountants' "comfort letters" to underwriters with respect to the financial statements and certain financial information of the Company and its consolidated subsidiaries contained in the Registration Statement, the Disclosure Package and the Final Prospectus and any supplements or amendments thereto.

(h) The Company shall have requested and caused Ernst & Young LLP to have furnished to the Representatives, at the Execution Time, the Closing Date and any settlement date pursuant to Section 3 hereof, letters (which may refer to letters previously delivered to the Representatives), dated respectively as of the Execution Time, the Closing Date and any settlement date pursuant to Section 3, in form and substance satisfactory to the Representatives, containing statements customarily included in accountants' "comfort letters" to underwriters with respect to the financial statements and certain financial information of Fluid Handling contained in the Registration Statement, the Disclosure Package and the Final Prospectus and any supplements or amendments thereto.

(i) Subsequent to the Execution Time or, if earlier, the dates as of which information is given in the Registration Statement (exclusive of any amendment thereof) and the Final Prospectus (exclusive of any supplement thereto), there shall not have been (i) any change or decrease specified in the certificate referred to in paragraph (e)(iii) of this Section 6 or (ii) any change, or any development involving a prospective change, in or affecting the condition (financial or otherwise), earnings, business or properties of the Company and its subsidiaries taken as a whole, whether or not arising from transactions in the ordinary course of business, except as set forth in or contemplated in the Disclosure Package and the Final Prospectus (exclusive of any amendment or supplement thereto) the effect of which, in any case referred to in clause (i) or (ii) above, is, in the sole judgment of the Representatives, so material and adverse as to make it impractical or inadvisable to proceed with the offering or delivery

of the Securities as contemplated by the Registration Statement (exclusive of any amendment thereof), the Disclosure Package and the Final Prospectus (exclusive of any amendment or supplement thereto).

(j) Prior to the Closing Date, the Company shall have furnished to the Representatives such further information, certificates and documents as the Representatives may reasonably request.

(k) The Company shall have furnished to the Representatives a certificate of the principal financial or accounting officer of the Company, in his or her capacity as such, dated the Execution Time, Closing Date and any settlement date pursuant to Section 3 hereof, as applicable, in a form agreed between the Representatives and the Company, with respect to certain factual information included or incorporated by reference in the Disclosure Package.

(l) Subsequent to the Execution Time, there shall not have been any decrease in the rating of any of the Company's debt securities by any "nationally recognized statistical rating organization" (as defined for purposes of Rule 3(a)(62) under the Exchange Act) or any public announcement by such organization of any intended decrease in any such rating.

(m) The Securities shall have been listed and admitted and authorized for trading on the New York Stock Exchange, and satisfactory evidence of such actions shall have been provided to the Representatives.

(n) At the Execution Time, the Company shall have furnished to the Representatives a letter substantially in the form of Exhibit A hereto from each officer and director of the Company addressed to the Representatives.

If any of the conditions specified in this Section 6 shall not have been fulfilled when and as provided in this Agreement, or if any of the opinions and certificates mentioned above or elsewhere in this Agreement shall not be reasonably satisfactory in form and substance to the Representatives and counsel for the Underwriters, this Agreement and all obligations of the Underwriters hereunder may be canceled at, or at any time prior to, the Closing Date by the Representatives. Notice of such cancellation shall be given to the Company in writing or by telephone or facsimile confirmed in writing.

The documents required to be delivered by this Section 6 shall be delivered at the office of Winston & Strawn LLP, counsel for the Underwriters, at 200 Park Avenue, New York, New York 10166, on the Closing Date.

7. Reimbursement of Underwriters' Expenses. If the sale of the Securities provided for herein is not consummated because any condition to the obligations of the Underwriters set forth in Section 6 hereof is not satisfied, because of any termination pursuant to Section 10 hereof or because of any refusal, inability or failure on the part of the Company or the Selling Stockholder to perform any agreement herein or comply with any provision hereof other than by reason of a default by any of the Underwriters, the Company will reimburse the Underwriters severally through Citigroup Global Markets Inc. on demand for all reasonable, documented out-of-pocket expenses (including reasonable and documented fees and disbursements of counsel) that shall have been reasonably incurred by them in connection with the proposed purchase and sale of the Securities.

8. Indemnification and Contribution.

(a) The Company agrees to indemnify and hold harmless each Underwriter, the directors, officers, employees, affiliates and agents of each Underwriter and each person who controls any Underwriter within the meaning of either the Act or the Exchange Act against any and all losses, claims, damages or liabilities, joint or several, to which they or any of them may become subject under the Act, the Exchange Act or other Federal or state statutory law or regulation, at common law or otherwise, insofar as such losses, claims, damages or liabilities (or actions in respect thereof) arise out of or are based upon any untrue statement or alleged untrue statement of a material fact contained in the registration statement for the registration of the Securities as originally filed or in any amendment thereof, or in the Base Prospectus, any Preliminary Prospectus or any other preliminary prospectus supplement relating to the Securities, the Final Prospectus, or any Issuer Free Writing Prospectus, or in any amendment thereof or supplement thereto, or arise out of or are based upon the omission or alleged omission to state therein a material fact required to be stated therein or necessary in order to make the statements therein not misleading, and agrees to reimburse each such indemnified party, as incurred, for any legal or other expenses reasonably incurred by them in connection with investigating or defending any such loss, claim, damage, liability or action; provided, however, that the Company will not be liable in any such case to the extent that any such loss, claim, damage or liability arises out of or is based upon any such untrue statement or alleged untrue statement or omission or alleged omission made therein in reliance upon and in conformity with written information furnished to the Company by or on behalf of the Selling Stockholder or any Underwriter through the Representatives specifically for inclusion therein, it being agreed that such information is limited to the information set forth in Sections 8(b) and (c), respectively. This indemnity agreement will be in addition to any liability which the Company may otherwise have.

(b) The Selling Stockholder agrees to indemnify and hold harmless each Underwriter, the directors, officers, employees, affiliates and agents of each Underwriter and each person who controls any Underwriter within the meaning of either the Securities Act or the Exchange Act, to the same extent as the foregoing indemnity in Section 8(a) to each Underwriter, but only with reference to written information relating to the Selling Stockholder furnished to the Company by or on behalf of the Selling Stockholder specifically for inclusion in the documents referred to in the foregoing indemnity in Section 8(a). The Company and the Underwriters acknowledge that the Selling Stockholder's name, address and number of shares of Underwritten Securities owned by the Selling Stockholder included under the heading "Selling Stockholder" in any Preliminary Prospectus and the Final Prospectus constitute the only information furnished in writing by or on behalf of the Selling Stockholder for inclusion in any Preliminary Prospectus, the Final Prospectus or any Issuer Free Writing Prospectus.

(c) Each Underwriter severally and not jointly agrees to indemnify and hold harmless the Company, each of its directors, each of its officers who signs the Registration Statement, and each person who controls the Company within the meaning of either the Securities Act or the Exchange Act and the Selling Stockholder, each of its directors, officers, employees, affiliates and agents and each person who controls the Selling Stockholder within the meaning of either the Securities Act or the Exchange Act, to the same extent as the foregoing indemnity in Section 8(a) to each Underwriter, but only with reference to written information relating to such Underwriter furnished to the

Company by or on behalf of such Underwriter through the Representatives specifically for inclusion in the documents referred to in the foregoing indemnity in Section 8(a). This indemnity agreement will be in addition to any liability which any Underwriter may otherwise have. The Company and the Selling Stockholder acknowledge that the statements set forth (i) in the last paragraph of the cover page regarding delivery of the Securities and, under the heading "Underwriting," (ii) the list of Underwriters and their respective participation in the sale of the Securities, (iii) the sentences related to concessions and reallowances and (iv) the paragraph related to stabilization, syndicate covering transactions and penalty bids in any Preliminary Prospectus and the Final Prospectus constitute the only information furnished in writing by or on behalf of the several Underwriters for inclusion in any Preliminary Prospectus, the Final Prospectus or any Issuer Free Writing Prospectus.

(d) Promptly after receipt by an indemnified party under this Section 8 of notice of the commencement of any action, such indemnified party will, if a claim in respect thereof is to be made against the indemnifying party under this Section 8, notify the indemnifying party in writing of the commencement thereof; but the failure so to notify the indemnifying party (i) will not relieve it from liability under paragraph (a), (b) or (c) above unless and to the extent it did not otherwise learn of such action and such failure results in the forfeiture by the indemnifying party of substantial rights and defenses and (ii) will not, in any event, relieve the indemnifying party from any obligations to any indemnified party other than the indemnification obligation provided in paragraph (a), (b) or (c) above. The indemnifying party shall be entitled to appoint counsel of the indemnifying party's choice at the indemnifying party's expense to represent the indemnified party in any action for which indemnification is sought (in which case the indemnifying party shall not thereafter be responsible for the fees and expenses of any separate counsel retained by the indemnified party or parties except as set forth below); provided, however, that such counsel shall be reasonably satisfactory to the indemnified party. Notwithstanding the indemnifying party's election to appoint counsel to represent the indemnified party in an action, the indemnified party shall have the right to employ separate counsel (including local counsel), and the indemnifying party shall bear the reasonable and documented fees, costs and expenses of such separate counsel which, if the Company or the Selling Stockholder is the indemnifying party, shall be limited to one such separate counsel for any Underwriter together with directors, officers, employees, affiliates, agents and all persons who control such Underwriter within the meaning of either the Act or the Exchange Act, plus one local counsel, if (i) the use of counsel chosen by the indemnifying party to represent the indemnified party would present such counsel with a conflict of interest, (ii) the actual or potential defendants in, or targets of, any such action include both the indemnified party and the indemnifying party and the indemnified party shall have reasonably concluded that there may be legal defenses available to it and/or other indemnified parties which are different from or additional to those available to the indemnifying party, (iii) the indemnifying party shall not have employed counsel reasonably satisfactory to the indemnified party to represent the indemnified party within a reasonable time after notice of the institution of such action or (iv) the indemnifying party shall authorize the indemnified party to employ separate counsel at the expense of the indemnifying party. An indemnifying party will not, without the prior written consent of the indemnified parties (which consent shall not be unreasonably conditioned, withheld or delayed), settle or compromise or consent to the entry of any judgment with respect to any pending or threatened claim, action, suit or proceeding in respect of which indemnification or contribution may be sought hereunder (whether or not the indemnified parties are actual or potential parties to such claim or action) unless such settlement, compromise or consent (i) includes an unconditional release of each indemnified party from all liability arising out of such claim, action, suit or proceeding and (ii) does not include a statement as to or an admission of fault, culpability or a failure to act, by or on behalf of any indemnified party.

(e) In the event that the indemnity provided in paragraph (a) through (d) of this Section 8 is unavailable to or insufficient to hold harmless an indemnified party for any reason, the Company, the Selling Stockholder and the Underwriters severally agree to contribute to the aggregate losses, claims, damages and liabilities (including legal or other expenses reasonably incurred in connection with investigating or defending the same) (collectively, "Losses") to which the Company, the Selling Stockholder and one or more of the Underwriters may be subject in such proportion as is appropriate to reflect the relative benefits received by the Company, the Selling Stockholder and by the Underwriters from the offering of the Securities. If the allocation provided by the immediately preceding sentence is unavailable for any reason, the Company, the Selling Stockholder and the Underwriters severally shall contribute in such proportion as is appropriate to reflect not only such relative benefits but also the relative fault of the Company, the Selling Stockholder and of the Underwriters in connection with the statements or omissions which resulted in such Losses as well as any other relevant equitable considerations. Benefits received by each of the Company and the Selling Stockholder shall be deemed to be equal to the total net proceeds from the offering (before deducting expenses) received by it, and benefits received by the Underwriters shall be deemed to be equal to the total underwriting discounts and commissions, in each case as set forth on the cover page of the Final Prospectus. Relative fault shall be determined by reference to, among other things, whether any untrue or any alleged untrue statement of a material fact or the omission or alleged omission to state a material fact relates to information provided by the Company, the Selling Stockholder or the Underwriters, the intent of the parties and their relative knowledge, access to information and opportunity to correct or prevent such untrue statement or omission. The Company, the Selling Stockholder and the Underwriters agree that it would not be just and equitable if contribution were determined by pro rata allocation or any other method of allocation which does not take account of the equitable considerations referred to above. Notwithstanding the provisions of this paragraph (e), in no event shall an Underwriter be required to contribute any amount in excess of the amount by which the total underwriting discounts and commissions received by such Underwriter with respect to the offering of the Securities exceeds the amount of any damages that such Underwriter has otherwise been required to pay by reason of such untrue or alleged untrue statement or omission or alleged omission. Notwithstanding the provisions of this paragraph (e), no person guilty of fraudulent misrepresentation (within the meaning of Section 11(f) of the Securities Act) shall be entitled to contribution from any person who was not guilty of such fraudulent misrepresentation. For purposes of this Section 8, each person who controls an Underwriter within the meaning of either the Securities Act or the Exchange Act and each director, officer, employee, affiliate and agent of an Underwriter shall have the same rights to contribution as such Underwriter, each person who controls the Selling Stockholder within the meaning of either the Securities Act or the Exchange Act and each director, officer, employee, affiliate and agent of the Selling Stockholder shall have the same rights to contribution as the Selling Stockholder, and each person who controls the Company within the meaning of either the Securities Act or the Exchange Act, each officer of the Company who shall have signed the Registration Statement and each director of the Company shall have the same rights to contribution as the Company, subject in each case to the applicable terms and conditions of this paragraph (e).

(f) The liability of the Selling Stockholder under the Selling Stockholder's representations and warranties contained in Section 1(ii) hereof and under the indemnity and contribution agreements contained in this Section 8 shall be limited to an amount equal to the net proceeds (before deducting expenses) of the Underwritten Securities sold by the Selling Stockholder to the Underwriters. The Company and the Selling Stockholder may agree, as among themselves and without limiting the rights of the Underwriters under this Agreement, as to the respective amounts of such liability for which they each shall be responsible.

9. Default by an Underwriter. If any one or more Underwriters shall fail to purchase and pay for any of the Securities agreed to be purchased by such Underwriter or Underwriters hereunder and such failure to purchase shall constitute a default in the performance of its or their obligations under this Agreement, the remaining Underwriters shall be obligated severally to take up and pay for (in the respective proportions which the amount of Securities set forth opposite their names in Schedule II hereto bears to the aggregate amount of Securities set forth opposite the names of all the remaining Underwriters) the Securities which the defaulting Underwriter or Underwriters agreed but failed to purchase; provided, however, that in the event that the aggregate amount of Securities which the defaulting Underwriter or Underwriters agreed but failed to purchase shall exceed 10% of the aggregate amount of Securities set forth in Schedule II hereto, the remaining Underwriters shall have the right to purchase all, but shall not be under any obligation to purchase any, of the Securities, and if such nondefaulting Underwriters do not purchase all the Securities, this Agreement will terminate without liability to any nondefaulting Underwriter, the Selling Stockholder or the Company. In the event of a default by any Underwriter as set forth in this Section 9, the Closing Date shall be postponed for such period, not exceeding five Business Days, as the Representatives shall determine in order that the required changes in the Registration Statement and the Final Prospectus or in any other documents or arrangements may be effected. Nothing contained in this Agreement shall relieve any defaulting Underwriter of its liability, if any, to the Company, the Selling Stockholder and any nondefaulting Underwriter for damages occasioned by its default hereunder.

10. Termination. This Agreement shall be subject to termination in the absolute discretion of the Representatives, by notice given to the Company prior to delivery of and payment for the Securities, if at any time prior to such delivery and payment (i) trading in the Company's Common Stock shall have been suspended by the SEC or the New York Stock Exchange or trading in securities generally on the New York Stock Exchange shall have been suspended or limited or minimum prices shall have been established on such exchanges, (ii) a banking moratorium shall have been declared either by Federal or New York State authorities, (iii) there shall have occurred a material disruption in commercial banking or securities settlement or clearance services or (iv) there shall have occurred any outbreak or escalation of hostilities, declaration by the United States of a national emergency or war, or other calamity or crisis the effect of which on financial markets is such as to make it, in the sole judgment of the Representatives, impractical or inadvisable to proceed with the offering or delivery of the Securities as contemplated by any Preliminary Prospectus or the Final Prospectus (exclusive of any amendment or supplement thereto).

11. Representations and Indemnities to Survive. The respective agreements, representations, warranties, indemnities and other statements of the Company or its officers, of the Selling Stockholder and of the Underwriters set forth in or made pursuant to this Agreement will remain in full force and effect, regardless of any investigation made by or on behalf of any Underwriter, the Selling Stockholder or the Company or any of the officers, directors,

employees, affiliates, agents or controlling persons referred to in Section 8 hereof, and will survive delivery of and payment for the Securities. The provisions of Sections 7 and 8 hereof shall survive the termination or cancellation of this Agreement.

12. Notices. All communications hereunder will be in writing and effective only on receipt, and, if sent to the Representatives, will be mailed, delivered or telefaxed to Citigroup Global Markets Inc. at 388 Greenwich Street, New York, New York 10013, Attention: General Counsel, facsimile number: +1 (646) 291-1469; or, if sent to CIRCOR International, Inc., will be mailed, delivered or telefaxed to 30 Corporate Drive, Suite 200, Burlington, Massachusetts 01803, facsimile number: +1 (781) 270-1286 Attention: General Counsel; or if sent to the Selling Stockholder, will be mailed, delivered or telefaxed and confirmed to it at the address set forth in Schedule II hereto.

13. Successors. This Agreement will inure to the benefit of and be binding upon the parties hereto and their respective successors and the officers, directors, employees, agents and controlling persons referred to in Section 8 hereof, and no other person will have any right or obligation hereunder.

14. Jurisdiction. The Company agrees that any suit, action or proceeding against the Company brought by any Underwriter, the directors, officers, employees, affiliates and agents of any Underwriter, or by any person who controls any Underwriter, arising out of or based upon this Agreement or the transactions contemplated hereby may be instituted in any State or U.S. federal court in The City of New York and County of New York, and waives any objection which it may now or hereafter have to the laying of venue of any such proceeding, and irrevocably submits to the non-exclusive jurisdiction of such courts in any suit, action or proceeding. The Company hereby represents and warrants that the Authorized Agent has accepted such appointment and has agreed to act as said agent for service of process, and the Company agrees to take any and all action, including the filing of any and all documents that may be necessary to continue such appointment in full force and effect as aforesaid. Service of process upon the Authorized Agent shall be deemed, in every respect, effective service of process upon the Company. Notwithstanding the foregoing, any action arising out of or based upon this Agreement may be instituted by any Underwriter, the directors, officers, employees, affiliates and agents of any Underwriter, or by any person who controls any Underwriter, in any court of competent jurisdiction in Delaware.

15. No Fiduciary Duty. The Company and the Selling Stockholder hereby acknowledge that (a) the purchase and sale of the Securities pursuant to this Agreement is an arm's-length commercial transaction between the Company and the Selling Stockholder, on the one hand, and the Underwriters and any affiliate through which it may be acting, on the other, (b) the Underwriters are acting as principal and not as an agent or fiduciary of the Company or the Selling Stockholder and (c) the engagement of the Underwriters by the Company and the Selling Stockholder in connection with the offering and the process leading up to the offering is as independent contractors and not in any other capacity. Furthermore, the Company and the Selling Stockholder agree that they are solely responsible for making their own judgments in connection with the offering (irrespective of whether any of the Underwriters has advised or is currently advising the Company or the Selling Stockholder on related or other matters). The Company and the Selling Stockholder agree that it will not claim that the Underwriters have rendered advisory services of any nature or respect, or owe an agency, fiduciary or similar duty to them, in connection with such transaction or the process leading thereto.

16. Integration. This Agreement supersedes all prior agreements and understandings (whether written or oral) between the Company and the Underwriters, or any of them, with respect to the subject matter hereof.

17. Applicable Law. This Agreement and any claim, controversy or dispute arising under or related to this Agreement will be governed by and construed in accordance with the laws of the State of New York applicable to contracts made and to be performed within the State of New York.

18. Waiver of Jury Trial. The Company, the Selling Stockholder and each of the Underwriters hereby irrevocably waive, to the fullest extent permitted by applicable law, any and all right to trial by jury in any legal proceeding arising out of or relating to this Agreement or the transactions contemplated hereby.

19. Counterparts. This Agreement may be signed in one or more counterparts, each of which shall constitute an original and all of which together shall constitute one and the same agreement.

20. Headings. The section headings used herein are for convenience only and shall not affect the construction hereof.

If the foregoing is in accordance with your understanding of our agreement, please sign and return to us the enclosed duplicate hereof, whereupon this letter and your acceptance shall represent a binding agreement among the Company, the Selling Stockholder and the several Underwriters.

Very truly yours,

CIRCOR INTERNATIONAL, INC.

By: /s/ Rajeev Bhalla

Name: Rajeev Bhalla

Title: Executive Vice President, Chief Financial Officer

COLFAX CORPORATION

By: /s/ Christopher Hix

Name: Christopher Hix

Title: SVP, CFO & Treasurer

[Signature Page to Underwriting Agreement]

The foregoing Agreement is hereby confirmed and accepted as of the date specified in Schedule I hereto.

Citigroup Global Markets Inc.

By: /s/ Matt Musa

Name: Matt Musa

Title: Managing Director

Deutsche Bank Securities Inc.

By: /s/ Justin Smolkin

Name: Justin Smolkin

Title: Managing Director

By: /s/ Faiz Khan

Name: Faiz Khan

Title: Managing Director

For themselves and the other several Underwriters named in Schedule II to the foregoing Agreement.

[Signature Page to Underwriting Agreement]

SCHEDULE I

Underwriting Agreement dated June 12, 2018

Registration Statement No. 333-223958

Representatives: Citigroup Global Markets Inc. and Deutsche Bank Securities Inc.

Title, Purchase Price and Description of Securities:

Title: Common Stock, \$0.01 par value per share

Number of Underwritten Securities to be sold by the Selling Stockholder: 3,283,424

Number of Option Securities to be sold by the Company: 492,513

Price per Share to Public: \$44.25

Price per Share to the Underwriters: \$42.48

Closing Date, Time and Location: June 15, 2018 at 10:00 a.m. Eastern Daylight Time at Winston & Strawn LLP, 200 Park Avenue, New York, New York 10166

SCHEDULE II

| <u>Selling Stockholders</u> | <u>Number of Underwritten Securities to be Sold</u> | <u>Maximum Number of Option Securities to be Sold</u> |
|--|---|---|
| Colfax Corporation 420 National Bursiness Parkway Annapolis Junction, Maryland 20701 Facsimile number: (301) 323-9001 | 3,283,424 | 0 |
| Total | <u>3,283,424</u> | <u>0</u> |

SCHEDULE III

| <u>Underwriters</u> | <u>Number of Underwritten Securities to be Purchased</u> |
|--|--|
| Citigroup Global Markets Inc. | 1,313,370 |
| Deutsche Bank Securities Inc. | 985,028 |
| KeyBanc Capital Markets Inc. | 492,513 |
| Stifel, Nicolaus & Company, Incorporated | 492,513 |
| Total | <u>3,283,424</u> |

SCHEDULE IV

Schedule of Free Writing Prospectuses included in the Disclosure Package

None

IV-1

SCHEDULE V

Information that, together with the Preliminary Prospectus, comprises the Disclosure Package:

- Public offering price: \$44.25 per share.
- Number of Shares: 3,775,937 (3,283,424 by the Selling Stockholder; up to 492,513 by the Company).

EXHIBIT A

June , 2018

Citigroup Global Markets Inc.
as Representative of the several
Underwriters to be named in the
within-mentioned Underwriting Agreement

c/o Citigroup Global Markets Inc.
388 Greenwich Street

New York, New York 10013

Re: Proposed Public Offering of CIRCOR International, Inc. Common Stock

Dear Sirs:

The undersigned, a stockholder and an officer and/or director of CIRCOR International, Inc., a Delaware corporation (the "Company"), understands that Citigroup Global Markets Inc. ("Citigroup") proposes to enter into an Underwriting Agreement (the "Underwriting Agreement") with the Company and Colfax Corporation (the "Selling Stockholder") providing for the public offering of shares of the Company's common stock, par value \$0.01 per share (the "Common Stock") by the Selling Stockholder (the "Public Offering"). In recognition of the benefit that the Public Offering will confer upon the undersigned as an officer and/or director of the Company, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned agrees with each underwriter to be named in the Underwriting Agreement that, during the period beginning on the date hereof and ending on the date that is 60 days from the date of the Underwriting Agreement (the "Lock-Up Period"), the undersigned will not, without the prior written consent of Citigroup, (i) directly or indirectly, offer, pledge, sell, contract to sell, sell any option or contract to purchase, purchase any option or contract to sell, grant any option, right or warrant to purchase or otherwise transfer or dispose of any shares of the Company's Common Stock or any securities convertible into or exercisable or exchangeable for Common Stock, whether now owned or hereafter acquired by the undersigned or with respect to which the undersigned has or hereafter acquires the power of disposition (collectively, the "Lock-Up Securities"), or exercise any right with respect to the registration of any of the Lock-Up Securities, or file or cause to be filed any registration statement in connection therewith, under the Securities Act of 1933, as amended, or (ii) enter into any swap or any other agreement or any transaction that transfers, in whole or in part, directly or indirectly, the economic consequence of ownership of the Lock-Up Securities, whether any such swap or transaction is to be settled by delivery of Common Stock or other securities, in cash or otherwise.

Notwithstanding the foregoing, and subject to the conditions below, the undersigned may, without the prior written consent of Citigroup:

- (a.) sell, dispose of or otherwise transfer the Lock-Up Securities, provided that (1) Citigroup receives a signed lock-up agreement for the balance of the Lock-Up Period from each donee, trustee, distributee, or transferee, as the case may be, (2) any such transfer shall not involve a disposition for value, (3) except in the case of clauses (v.) and (vi.), a filing with the Securities and Exchange Commission (the

“SEC”) on Form 4 reporting a reduction in beneficial ownership is not required in accordance with the Securities Exchange Act of 1934, as amended (the “Exchange Act”), and (4) the undersigned does not otherwise voluntarily effect any public filing or report regarding such transfers during the Lock-Up Period:

- (i.) as a *bona fide* gift or gifts; or
 - (ii.) to any immediate family member of the undersigned or any trust for the direct or indirect benefit of the undersigned or the immediate family of the undersigned (for purposes of this lock-up agreement, “immediate family” shall mean any relationship by blood, marriage or adoption, not more remote than first cousin); or
 - (iii.) as a distribution to limited partners, members, stockholders or other equityholders of the undersigned or, if the undersigned is a trust, to the beneficiaries of the undersigned; or
 - (iv.) to the undersigned’s affiliates or to any investment fund or other entity that, directly or indirectly, controls, is controlled or managed by, or is under common control or management with, the undersigned; or
 - (v.) by will or intestate succession upon the death of the undersigned; or
 - (vi.) by operation of law, including pursuant to a court or regulatory agency order, a qualified domestic relations order or in connection with a divorce settlement or other domestic relations order; or
- (b.) exercise any rights to purchase, exchange or convert any stock options, restricted stock units or other equity awards (including by way of a “net” exercise in accordance with their terms) granted pursuant to the Company’s equity incentive plans existing as of the date of the Underwriting Agreement or any other securities existing as of the date of the Underwriting Agreement, which securities are convertible into or exchangeable or exercisable for Common Stock; *provided* that any filing under Section 16 of the Exchange Act made during the Lock-Up Period shall clearly indicate in the footnotes thereto that (A) the filing relates to the circumstances described above and (B) the underlying shares of Common Stock received by the undersigned continue to be subject to the restrictions on transfer set forth in this lock-up agreement.

Furthermore, the undersigned may sell shares of Common Stock of the Company purchased by the undersigned on the open market following the Public Offering if and only if (i) such sales are not required during the Lock-Up Period to be reported in any public report or filing with the SEC or otherwise and (ii) the undersigned does not otherwise voluntarily effect any public filing or report regarding such sales during the Lock-Up Period.

The undersigned also agrees and consents to the entry of stop transfer instructions with the Company’s transfer agent and registrar against the transfer of the Lock-Up Securities except in compliance with the foregoing restrictions.

This lock-up agreement shall automatically lapse and become null and void if (i) the Company notifies Citigroup in writing prior to the execution of the Underwriting Agreement that it

does not intend to proceed with the contemplated Public Offering, (ii) the registration statement filed with the SEC with respect to the contemplated Public Offering is withdrawn, (iii) the execution of the Underwriting Agreement has not occurred prior to July 2, 2018, or (iv) the Underwriting Agreement (other than the provisions thereof which survive termination) shall terminate or be terminated prior to payment for and delivery of the Common Stock to be sold thereunder.

[Remainder of Page Intentionally Left Blank]

Very truly yours,

Signature: _____

Print Name: _____

[Signature Page to Lock-Up Agreement]

June 13, 2018

CIRCOR International, Inc.
30 Corporate Drive, Suite 200
Burlington, MA 01803

Re: Registration Statement on Form S-3

Ladies and Gentlemen:

This opinion is furnished to you in connection with (i) the Registration Statement on Form S-3 (File No. 333-223958) (the "Registration Statement") filed by CIRCOR International, Inc., a Delaware corporation (the "Company"), with the Securities and Exchange Commission (the "Commission") on March 27, 2018, for the purpose of registering with the Commission under the Securities Act of 1933, as amended (the "Securities Act") certain securities of the Company, including shares of the Company's common stock, par value \$0.01 per share (the "Common Stock"), which may be issued from time to time on a delayed or continuous basis pursuant to Rule 415 under the Securities Act at an indeterminate initial offering price, as set forth in the Registration Statement and the prospectus contained therein, and (ii) the prospectus supplement, dated June 12, 2018 (the "Prospectus Supplement"), relating to (a) the sale by Colfax Corporation (the "Selling Stockholder") of 3,283,424 shares of Common Stock (the "Selling Stockholder Shares") and (b) the issuance and sale by the Company pursuant to the Registration Statement of 492,513 shares of Common Stock (the "Company Shares") to be sold upon the exercise of an option to purchase the Company Shares granted by the Company to the Underwriters (as defined below).

The Shares are to be sold by the Company and the Selling Stockholder pursuant to an underwriting agreement, dated as of June 12, 2018 (the "Underwriting Agreement"), by and among the Company, the Selling Stockholder and Citigroup Global Markets Inc. and Deutsche Bank Securities Inc., as representatives of the several underwriters named in the Underwriting Agreement (the "Underwriters"), the form of which is being filed as Exhibit 1.1 to the Company's Current Report on Form 8-K, dated June 13, 2018.

We are acting as counsel for the Company in connection with the sale by the Selling Stockholder of the Selling Stockholder Shares and the issuance and sale by the Company of the Company Shares, in each case pursuant to the Underwriting Agreement. We have examined and relied upon a signed copy of the Registration Statement and a copy of the Prospectus Supplement, each as filed with the Commission. We have also examined and relied upon the Underwriting Agreement, minutes of meetings of the stockholders and the Board of Directors of the Company as provided to us by the Company, stock record books of the Company as provided to us by the Company, the Certificate of Incorporation and By-Laws of the Company, each as restated and/or amended to date, and such other documents as we have deemed necessary for purposes of rendering the opinions hereinafter set forth.

In our examination of the foregoing documents, we have assumed the genuineness of all signatures, the authenticity of all documents submitted to us as originals, the conformity to original documents of all documents submitted to us as copies, the authenticity of the originals of such latter documents and the legal competence of all signatories to such documents.

Our opinion in clause (ii) below, insofar as it relates to the Selling Stockholder Shares being fully paid, is based solely on an officer's certificate of the Company confirming the Company's receipt of the consideration called for by the applicable resolutions authorizing the issuance of such shares.

We express no opinion herein as to the laws of any state or jurisdiction other than the state laws of the State of New York, the General Corporation Law of the State of Delaware and the federal laws of the United States of America.

Based upon and subject to the foregoing, we are of the opinion that (i) the Selling Stockholder Shares have been duly authorized and are validly issued, fully paid and nonassessable and (ii) the Company Shares have been duly authorized for issuance and, when the Company Shares are issued and paid for in accordance with the terms and conditions of the Underwriting Agreement, the Company Shares will be validly issued, fully paid and nonassessable.

Please note that we are opining only as to the matters expressly set forth herein, and no opinion should be inferred as to any other matters. This opinion is based upon currently existing statutes, rules, regulations and judicial decisions, and we disclaim any obligation to advise you of any change in any of these sources of law or subsequent legal or factual developments which might affect any matters or opinions set forth herein.

We hereby consent to the filing of this opinion with the Commission as an exhibit to the Current Report on Form 8-K to be filed by the Company in connection with the sale of the Shares in accordance with the requirements of Item 601(b)(5) of Regulation S-K under the Securities Act and to the use of our name therein and in the Prospectus Supplement under the caption "Legal Matters." In giving such consent, we do not hereby admit that we are in the category of persons whose consent is required under Section 7 of the Securities Act or the rules and regulations of the Commission.

CIRCOR International, Inc.

June 13, 2018

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Very truly yours,

WILMER CUTLER PICKERING
HALE AND DORR LLP

By: /s/ Erika L. Robinson

Erika L. Robinson, a Partner

CIRCOR International Announces Pricing of Public Offering

BURLINGTON, MA, June 12, 2018 — CIRCOR International, Inc. (NYSE: CIR) (“CIRCOR” or the “Company”) today announced the pricing of its previously announced public offering of 3,283,424 shares of CIRCOR common stock on behalf of Colfax Corporation (“Colfax”), at a public offering price of \$44.25 per share. In connection with the offering, the Company granted the underwriters a 30-day option to purchase up to an additional 492,513 newly issued shares of common stock from the Company at the public offering price less the underwriting discount.

CIRCOR will not receive any proceeds from the sale of the shares by Colfax. If the underwriters’ option to purchase up to the additional 492,513 shares of common stock offered by CIRCOR is exercised in full, CIRCOR would receive proceeds that will be used to pay the expenses of the offering and to repay amounts under its credit facility. The offering is expected to close on or about June 15, 2018, subject to customary closing conditions.

Citigroup and Deutsche Bank Securities are acting as joint book-running managers for the offering. KeyBanc Capital Markets and Stifel are acting as co-managers.

The securities described above are being offered pursuant to an effective shelf registration statement on Form S-3 previously filed by CIRCOR with the SEC. A preliminary prospectus relating to the offering was filed by the Company with the Securities and Exchange Commission (the “SEC”) on June 11, 2018. A final prospectus relating to this offering will be filed by the Company with the SEC. Copies of the final prospectus may be obtained from the offices of Citigroup c/o Broadridge Financial Solutions, 1155 Long Island Avenue, Edgewood, NY 11717 or by calling 800-831-9146; or Deutsche Bank Securities Inc., Attn: Prospectus Group, 60 Wall Street, New York, NY 10005, or by e-mailing prospectus.cpdg@db.com or calling 1-800-503-4611.

This press release shall not constitute an offer to sell or the solicitation of an offer to buy these securities, nor shall there be any sale of these securities in any state or other jurisdiction in which such offer, solicitation or sale would be unlawful prior to the registration or qualification under the securities laws of any such state or other jurisdiction.

About CIRCOR

CIRCOR International, Inc. designs, manufactures and markets differentiated technology products and sub-systems for markets including industrial, oil & gas, aerospace & defense and commercial marine. CIRCOR has a diversified flow and motion control product portfolio with recognized, market-leading brands that fulfill its customers’ mission critical needs. The Company’s strategy is to grow organically and through complementary acquisitions; simplify CIRCOR’s operations; achieve world class operational excellence; and attract and retain top talent. Additional information about CIRCOR is available in the company’s public filings, which are available at the SEC’s EDGAR database available online at www.sec.gov.

Forward-Looking Statements

This press release contains “forward-looking statements” within the meaning of Section 27A of the Securities Act of 1933, as amended and Section 21E of the Securities Exchange Act of 1934, as amended. In some cases, you can identify these forward-looking statements by the use of words such as “expects,” “potential,” “proposed,” “may,” “will,” “should,” “could,” “intends,” “plans,” “estimates,” or the negative version of these words or other comparable words. Forward-looking statements, including statements regarding terms of the proposed offering, the timing and completion of the offering and the use of proceeds, if any, that may be received by the Company, involve known and unknown risks, uncertainties and other factors, which may cause actual results to differ materially from the anticipated results expressed or implied by such forward-looking statements. Factors that could cause or contribute to such differences include, but are not limited to, whether the underwriters exercise the option to purchase additional shares, market and other conditions, the satisfaction of customary closing conditions related to the public offering and the impact of general economic, industry or political conditions worldwide. We advise you to read further about these and other risk factors set forth in the section entitled “Risk Factors,” or incorporated by reference into the prospectus related to the offering, filed with the SEC, as well as any updates to those risk factors filed from time to time in the Company’s other filings with the SEC.

Contacts

CIRCOR International

Rajeev Bhalla, 781-270-1200

Executive Vice President & Chief Financial Officer