Certificate of Compliance

This certificate is issued for the following:

Swing Check Valves
Models D-1, E-1, F-1, and G-1
Sizes: 2-1/2, 3, 4, 6, and 8 inch NPS
(as shown in table below)

Prepared for:

The Viking Corporation
210 N Industrial Park Dr
Hastings, MI 49058
United States

Manufactured at:

The Viking Corporation
210 N Industrial Park Dr
Hastings, MI 49058
United States

FM Approvals Class: 1210 – Swing Check Valves

Approval Identification: 0003042800

Approval Granted: July 08, 2011

Said Approval is subject to satisfactory field performance, continuing follow-up Facilities and Procedures Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

For more than 160 years FM Approvals has partnered with business and industry to reduce property losses.

Richard B. Dunne
Group Manager – Fire Protection
FM Approvals
1151 Boston-Providence Turnpike
Norwood, MA 02062

FM Approvals®

Member of the FM Global Group

Certificate of Compliance

Product Designation	Description	Nominal Pipe Size, in.	Maximum Working Pressure, psi (kPa)	Remarks
Model D-1	Swing Check Valve, Flanged or Grooved Ends	2-1/2	300 (2070)	a
Model E-1	Swing Check Valve, Groove x Groove, Flange x Groove, Flange x Flange Ends	2-1/2	300 (2070)	a
Model F-1	Swing Check Valve, Groove x Groove, Flange x Groove, Flange x Flange Ends	3, 4, 6, 8	300 (2070)	a
Model G-1	Swing Check Valve, Grooved Ends	3	300 (2070)	a
Model G-1	Swing Check Valve, Flanged or Grooved Ends	4, 6, 8	300 (2070)	a

Notes:

a. For use in horizontal and vertical installations.

Member of the FM Global Group

FACTORY MUTUAL | Factory Mutual System

Factory Mutual Research Corporation
Hydraulics Laboratory
743A Reynolds Road
West Glocester, Rhode Island 02814
Telephone (401) 567-0590
Fax (401) 567-0599

APPROVAL AGREEMENT

The Agreement is made by and between Factory Mutual Research Corporation, (herein called FMRC), and **Viking Corporation, Hastings, MI 49058** (herein called the Client). The Client is making a product or providing a service known and described as:

MODELS D-1AND E-1 CHECK VALVES

IN 2-½ INCH NOMINAL SIZE

MODELS F-1 AND G-1 CHECK VALVES

IN 3, 4, 6, AND 8 INCH NOMINAL SIZES

MODEL J-1 ALARM VALVES

IN 3, 4, 6, AND 8 INCH NOMINAL SIZES

(MODIFICATIONS)

This product or service has been examined by FMRC as described in the report bearing Job Identification **0B4A4.AH** dated, **September 20, 1996** in consideration of FMRC Approval of the product or service the Client authorized to indicate such approval, as stated by the above report, and agrees to the following and terms stated on the reverse side of this Agreement:

1. The Client shall place a unique identification mark (i.e. model or type number) on the product as stated in the above report and shall not place this mark on any other product unless covered by separate agreement with FMRC.

2. The Client shall use the FMRC Approval mark on the product, but shall not use this mark on any other product unless such other product is covered by separate agreement with FMRC.

3. The Client shall not use, reproduce or distribute the above referenced report by FMRC except in its entirety without any change, deletion or addition thereto. The Client agrees that FMRC may distribute the referenced report and related information within the Factory Mutual System.

(SEE OVER)

The Viking Corporation	FACTORY MUTUAL RESEARCH CORPORATION
Client	
Signature	Signature
James G. Retzloff	R.L. Martell
Name	Name
Vice President, Design & Development	Asst. V. P. - Approvals Division
Title	Title
210 N. Industrial Park Road Hastings MI 49058	October 4, 1996
Address	Date
October 21, 1996	
Date	

FACTORY MUTUAL | Factory Mutual System

Factory Mutual Research Corporation
Hydraulics Laboratory
743A Reynolds Road
West Glocester, Rhode Island 02814
Telephone (401) 567-0590
Fax (401) 567-0599

APPROVAL AGREEMENT

The Agreement is made by and between Factory Mutual Research Corporation, (herein called FMRC), and **Viking Corporation, Hastings, MI 49058** (herein called the Client). The Client is making a product or providing a service known and described as:

SWING CHECK VALVES

MODEL D-1

SIZE 3 IN. O.D. (76 MM)

This product or service has been examined by FMRC as described in the report bearing Job Identification **2Z4A9.AH** dated, **February 29, 1996** in consideration of FMRC Approval of the product or service the Client authorized to indicate such approval, as stated by the above report, and agrees to the following and terms stated on the reverse side of this Agreement:

1. The Client shall place a unique identification mark (i.e. model or type number) on the product as stated in the above report and shall not place this mark on any other product unless covered by separate agreement with FMRC.

2. The Client shall use the FMRC Approval mark on the product, but shall not use this mark on any other product unless such other product is covered by separate agreement with FMRC.

3. The Client shall not use, reproduce or distribute the above referenced report by FMRC except in its entirety without any change, deletion or addition thereto. The Client agrees that FMRC may distribute the referenced report and related information within the Factory Mutual System. (SEE OVER)

The Viking Corporation
Client

Peter W. Thomas
Signature

Peter W. Thomas
Name

Director, Stds. & Approvals
Title

210 N. Industrial Hasting MI 49058
Address

March 25, 1996
Date

FACTORY MUTUAL RESEARCH CORPORATION

R.L. Martell
Signature

R.L. Martell
Name

Asst. V.P. - Approvals Division
Title

March 18, 1996
Date

Factory Mutual Research

Hydraulics Laboratory
743A Reynolds Road
West Glocester, Rhode Island 02814
Telephone (401) 667-0580
Fax (401) 667-0587

APPROVAL AGREEMENT

The Agreement is made by and between Factory Mutual Research Corporation, (herein called FMRC), and **The Viking Corporation, Hastings, Michigan 49058** (herein called the Client). The Client is making a product or providing a service known and described as:

MODEL D-1

2 1/2 in. NPS FLANGED ENDS

This product or service has been examined by FMRC as described in the report bearing Job Identification **2X3A4.AH** dated, **October 26, 1993**
In consideration of FMRC Approval of the product or service the Client authorized to indicate such approval, as stated by the above report, and agrees to the following and terms stated on the reverse side of this Agreement:

1. The Client shall place a unique identification mark (i.e. model or type number) on the product as stated in the above report and shall not place this mark on any other product unless covered by separate agreement with FMRC.

2. The Client shall use the FMRC Approval mark on the product, but shall not use this mark on any other product unless such other product is covered by separate agreement with FMRC.

3. The Client shall not use, reproduce or distribute the above referenced report by FMRC except in its entirety without any change, deletion or addition thereto. The Client agrees that FMRC may distribute the referenced report and related information within the Factory Mutual System. (SEE OVER)

The Viking Corporation
Client

Signature

James Retzloff
Name

Vice President, R & D
Title

210 N. Industrial Park Road
Hastings, MI 49058
Address

December 3, 1993
Date

FACTORY MUTUAL RESEARCH CORPORATION

Signature

R. L. Martell
Name

Asst. V.P. - Approvals Division
Title

November 23, 1993
Date