Spray Nozzle 31f

Scale: Each square equals one square foot.

* Part number shown is the base part number. For complete part number, refer to current Viking price list schedule.

**Metric K-factor measurement shown is when pressure is measured in Bar. When pressure is measured in kPa, divide the metric K-factor shown by 10.0.

Form No. F_011694

Replaces page 31e-i, dated November 1, 2000.
(New part numbers, removed SIN numbers.)
7/16" Orifice
Base Part No: 16952*
Angle: 60°
Thread Size: 1/2" NPT
K-Factor: 4.2 U.S.
(57 metric**)

Legend
10 P.S.I. ————
20 P.S.I. ————
30 P.S.I. ————
50 P.S.I. ————

TOP VIEW-HORIZONTAL SPRAY
SIDE VIEW-HORIZONTAL SPRAY
SIDE VIEW-SPRAY UP

7/16" Orifice
Base Part No: 16953*
Angle: 90°
Thread Size: 1/2" NPT
K-Factor: 4.2 U.S.
(57 metric**)

Legend
10 P.S.I. ————
20 P.S.I. ————
30 P.S.I. ————
50 P.S.I. ————

TOP VIEW-HORIZONTAL SPRAY
SIDE VIEW-HORIZONTAL SPRAY
SIDE VIEW-SPRAY UP

7/16" Orifice
Base Part No: 16954*
Angle: 120°
Thread Size: 1/2" NPT
K-Factor: 4.2 U.S.
(57 metric**)

Legend
10 P.S.I. ————
20 P.S.I. ————
30 P.S.I. ————
50 P.S.I. ————

TOP VIEW-HORIZONTAL SPRAY
SIDE VIEW-HORIZONTAL SPRAY
SIDE VIEW-SPRAY UP

7/16" Orifice
Base Part No: 16955*
Angle: 150°
Thread Size: 1/2" NPT
K-Factor: 4.2 U.S.
(57 metric**)

Legend
10 P.S.I. ————
20 P.S.I. ————
30 P.S.I. ————
50 P.S.I. ————

TOP VIEW-HORIZONTAL SPRAY
SIDE VIEW-HORIZONTAL SPRAY
SIDE VIEW-SPRAY UP

Scale: Each square equals one square foot.
* Part number shown is the base part number. For complete part number, refer to current Viking price list schedule.
**Metric K-factor measurement shown is when pressure is measured in Bar. When pressure is measured in kPa, divide the metric K-factor shown by 10.0.
3/8" (10 mm) Orifice
Base Part No: 16956*
Angle: 60°
Thread Size: 1/2" NPT
K-Factor: 2.8 U.S.
(40.3 metric**)

3/8" (10 mm) Orifice
Base Part No: 16957*
Angle: 90°
Thread Size: 1/2" NPT
K-Factor: 2.8 U.S.
(40.3 metric**)

3/8" (10 mm) Orifice
Base Part No: 16958*
Angle: 120°
Thread Size: 1/2" NPT
K-Factor: 2.8 U.S.
(40.3 metric**)

3/8" (10 mm) Orifice
Base Part No: 16959*
Angle: 150°
Thread Size: 1/2" NPT
K-Factor: 2.8 U.S.
(40.3 metric**)

Scale: Each square equals one square foot.
* Part number shown is the base part number. For complete part number, refer to current Viking price list schedule.
**Metric K-factor measurement shown is when pressure is measured in Bar. When pressure is measured in kPa, divide the metric K-factor shown by 10.0.
 Spray Nozzle 31i

The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058
Telephone: 269-945-9501 Technical Services: 877-384-5464 Fax: 269-818-1680 Email: techsvcs@vikingcorp.com

**TECHNICAL DATA**

**FRAME STYLE**

**SPRAY NOZZLE**

**WATER DISTRIBUTION PATTERNS**

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**5/16" Orifice**

- **Base Part No:** 16960*
- **Angle:** 60°
- **Thread Size:** 1/2" NPT
- **K-Factor:** 1.9 U.S.  
  (27.4 metric**)

**Legend:**
- 10 P.S.I.  
- 20 P.S.I.  
- 30 P.S.I.  
- 50 P.S.I.

**5/16" Orifice**

- **Base Part No:** 16961*
- **Angle:** 90°
- **Thread Size:** 1/2" NPT
- **K-Factor:** 1.9 U.S.  
  (27.4 metric**)

**Legend:**
- 10 P.S.I.  
- 20 P.S.I.  
- 30 P.S.I.  
- 50 P.S.I.

**5/16" Orifice**

- **Base Part No:** 16962*
- **Angle:** 120°
- **Thread Size:** 1/2" NPT
- **K-Factor:** 1.9 U.S.  
  (27.4 metric**)

**Legend:**
- 10 P.S.I.  
- 20 P.S.I.  
- 30 P.S.I.  
- 50 P.S.I.

**5/16" Orifice**

- **Base Part No:** 16963*
- **Angle:** 150°
- **Thread Size:** 1/2" NPT
- **K-Factor:** 1.9 U.S.  
  (27.4 metric**)

**Legend:**
- 10 P.S.I.  
- 20 P.S.I.  
- 30 P.S.I.  
- 50 P.S.I.

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**Scale:** Each square equals one square foot.

* Part number shown is the base part number. For complete part number, refer to current Viking price list schedule.

**Metric K-factor measurement shown is when pressure is measured in Bar. When pressure is measured in kPa, divide the metric K-factor shown by 10.0.**
**Frame Style Spray Nozzle**

**Technical Data**

Water Distribution Patterns

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**Spray Nozzle 31j**

**Scale:** Each square equals one square foot.

* Part number shown is the base part number. For complete part number, refer to current Viking price list schedule.

**Metric K-factor measurement shown is when pressure is measured in Bar. When pressure is measured in kPa, divide the metric K-factor shown by 10.0.**

---

**1/4" Orifice**

- **Base Part No:** 16964*
- **Angle:** 60°
- **Thread Size:** 1/2" NPT
- **K-Factor:** 1.4 U.S.
  
  (20.2 metric**)

---

**1/4" Orifice**

- **Base Part No:** 16965*
- **Angle:** 90°
- **Thread Size:** 1/2" NPT
- **K-Factor:** 1.4 U.S.
  
  (20.2 metric**)

---

**1/4" Orifice**

- **Base Part No:** 16966*
- **Angle:** 120°
- **Thread Size:** 1/2" NPT
- **K-Factor:** 1.4 U.S.
  
  (20.2 metric**)

---

**1/4" Orifice**

- **Base Part No:** 16967*
- **Angle:** 150°
- **Thread Size:** 1/2" NPT
- **K-Factor:** 1.4 U.S.
  
  (20.2 metric**)

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* Part number shown is the base part number. For complete part number, refer to current Viking price list schedule.

**Metric K-factor measurement shown is when pressure is measured in Bar. When pressure is measured in kPa, divide the metric K-factor shown by 10.0.**