



Type 13N16-102

DIRECT-CONNECT TYPE

FEATURES

- Lever for manual open (normally closed valves only).
- Auxiliary switch (optional).
- Return spring design – stainless steel for long life.
- Plastic molded cover provides extra protection from moisture.
- Swing-type ball valve made from EPDM (Ethylene Propylene Polymer).
 - Rotating design results in less wear on valve.
 - Raised ball design ensures positive valve closure and even surface wear.
- Valve body & crank arm assemblies each made from one-piece cast brass construction.
- Gears made from heavy 14 gauge brass for durable long life.
- Valve assembly design includes a recessed “O” ring for positive sealing.

SPECIFICATIONS

Voltage	24 VAC
Frequency	50/60 Hz
Connection	18" leads
Flow Capacity	3.5 Cv
Close-off Pressure	20 PSI
Maximum Pressure	142 PSI
Maximum Temperature	110°C (230°F)
Motor	Electric synchronous, spring return
Positioning	2-way, straight through

PARTS AND ACCESSORIES

- F19-0190 & ZRPLMTR1 — Replacement motors

SWEAT

Model Number	Canada Model Number	Pipe Connection	Pipe Size	Auxiliary Switch	Flow Capacity Cv	De-Energized Position	Honeywell Cross Reference	Erie Cross Reference
13S16-101	ZSW12NCA	Sweat	1/2"	Yes	3.5	NC	V8043G1000, V8043E1004	VT2213G13A02A
13S16-102	ZSW34NCA	Sweat	3/4"	Yes	3.5	NC	V8043G1018, V8043E1012	VT2213G13A02A
13S05-102	ZSW34NO	Sweat	3/4"	No	3.5	NO	V8043D1064, V8043B1027	VT2213G23A020
13S16-103	ZSW1NCA	Sweat	1"	Yes	3.5	NC	V8043G1026, V8043E1020	VT2415G13A02A
13SH16-103	ZSW1NCA7C	Sweat	1"	Yes	7.0	NC	V8043G1158 ①, V8043E1079 ①	VT2417G13A02A ①

① Valve is 8.0 Cv

NPT

Model Number	Canada Model Number	Pipe Connection	Pipe Size	Auxiliary Switch	Flow Capacity Cv	De-Energized Position	Honeywell Cross Reference	Erie Cross Reference
13N16-101	ZNPT12NCA	NPT	1/2"	Yes	3.5	NC	—	VT2223G13A02A
13N05-101	ZNPT12NO	NPT	1/2"	No	3.5	NO	—	VT2223G23A020
13N16-102	ZNPT34NCA	NPT	3/4"	Yes	3.5	NC	V8043G1109, V8043E1145	VT2323G13A02A
13N16-103	ZNPT1NCA	NPT	1"	Yes	3.5	NC	—	VT2427G13A02A
13NH16-103	ZNPT1NCA7C	NPT	1"	Yes	7.0	NC	—	—



ZRPLMTR1 Replacement Motor