

Standard Regulator Variations

STANDARD REGULATOR VARIATIONS

Suffix	Function
STD	Inlet pressure regulation - Standard with CVP(HP) pilot range 20 in.HG to 102 psig.
"O"	Outlet pressure regulation - Standard with CVC pilot range 14.8 in.HG to 131 psig and does NOT include an external pilot mounting set (pressure reference tubing and connection in valve).
"J" (1)	Electronically controlled pressure regulation - Standard with CVQ pilot range 0 to 87 psig.
"L"	Differential pressure regulation - Standard with CVPP(HP) pilot range 0 to 102 psi and does NOT include an external pilot mounting set (pressure reference tubing and connection in valve).
"S"	Inlet pressure regulation with electric shut-off - Standard with CVP(HP) pilot range 20 in.HG to 102 psig and EVM(NC) pilot.
"B"	Inlet pressure regulation with electric wide-opening - Standard with CVP(HP) pilot range 20 in.HG to 102 psig and EVM(NC) pilot.
"D"	Dual inlet pressure regulation with changeover between two preset evaporating pressures - Standard with two CVP(HP) pilots range 20 in.HG to 102 psig and EVM(NC) pilot.
"OS"	Outlet pressure regulation combined with electric shut-off - Standard with CVC pilot range 14.8 in.HG to 131 psig and EVM(NC) pilot and does NOT include an external pilot mounting set (pressure reference tubing and connection in valve).
"BL"	Differential pressure regulation combined with electric wide-opening - Standard with CVPP(HP) pilot range 0 to 102 psi and EVM(NC) pilot and does NOT include external pilot mounting set (pressure reference tubing and connection in valve).
"JD" (1)	Electronically controlled temperature regulation combined with forced changeover to constant pressure regulation - ICS sizes 5 to 65 are standard with CVQ pilot range 0 to 87 psig, EVM(NC) pilot and CVP(LP) pilot range 0 to 102 psig. ICS sizes 80 to 150 are standard with CVQ pilot range 0 to 87 psig, EVM(NC) pilot and CVP(HP) pilot range 20 in.HG to 102 psig.

(1) Requires EKC 366 Interface Module or EKC 361 Electronic Controller and AKS Temperature Sensor. See electronic controllers for pricing.

Steps for ordering:

- Step 1: Specify regulator type and size; valve prices are on the following page.
- Step 2: Specify regulator variation; consult Danfoss for variations not listed.
- Step 3: Specify connection size and type.
- Step 4: Specify coil voltage and accessories where applicable.

Example for ordering: Dual inlet pressure regulator type ICS with 3/4 in. Port size, 1 in. SW connections, 120V coil and gauge valve with adapter for fitting into regulator.

Item 1: ICS 25-20-D with 1 in. SW and 120V coil

Item 2: 1/4 in. gauge valve with adapter, p/n 027X0233 (selected from ICS accessories)

Note: Standard pilot ranges/coil versions will be supplied unless other pilot ranges/coil versions are specified.

SOLENOID COIL(S) MUST BE ORDERED SEPARATELY; SEE PAGE 24 FOR COIL ORDERING.

OTHER REGULATOR VARIATIONS AND ASSEMBLED VALVES ARE AVAILABLE. CONSULT DANFOSS FOR ASSISTANCE.

Pressure Regulating Valves

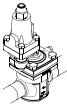
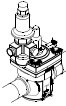
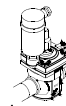
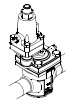


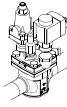



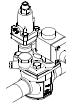
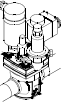
List Pricing

Effective: March 20, 2017

Standard Regulator Variations

Direct Weld Body

Single Pilot Variations						
Valve Size	Module Port Size		List Prices			
						
			"STD"	"O" (2)	"J" (3)	"L"
	Inches	(mm)				
ICS 25-5	3/16	(5)	\$574	\$702	\$1,318	\$620
ICS 25-10	3/8	(10)	\$574	\$702	\$1,318	\$620
ICS 25-15	5/8	(15)	\$574	\$702	\$1,318	\$620
ICS 25-20	3/4	(20)	\$574	\$702	\$1,318	\$620
ICS 25-25	1	(25)	\$633	\$761	\$1,377	\$679
ICS 32	1 1/4	(32)	\$774	\$902	\$1,518	\$820
ICS 40	1 1/2	(40)	\$1,076	\$1,204	\$1,820	\$1,122
ICS 50	2	(50)	\$1,204	\$1,332	\$1,948	\$1,250
ICS 65	2 1/2	(65)	\$1,534	\$1,662	\$2,278	\$1,580
ICS 80	3	(65)	\$1,775	\$1,903	\$2,519	\$1,821
ICS 100	4	(100)	\$3,140	\$3,268	\$3,884	\$3,186
ICS 125	5	(125)	\$4,884	\$5,012	\$5,628	\$4,930
ICS 150	6	(150)	\$8,440	\$8,568	\$9,184	\$8,486

Multiple Pilot Variations								
Valve Size	Module Port Size		List Prices Less Coil (1)					
								
			"S"	"B"	"D"	"OS" (2)	"BL"	"JD" (3)
	Inches	(mm)						
ICS 25-5	3/16	(5)	\$866	\$866	\$1,160	\$994	\$912	\$1,904
ICS 25-10	3/8	(10)	\$866	\$866	\$1,160	\$994	\$912	\$1,904
ICS 25-15	5/8	(15)	\$866	\$866	\$1,160	\$994	\$912	\$1,904
ICS 25-20	3/4	(20)	\$866	\$866	\$1,160	\$994	\$912	\$1,904
ICS 25-25	1	(25)	\$925	\$925	\$1,219	\$1,053	\$971	\$1,963
ICS 32	1 1/4	(32)	\$1,087	\$1,087	\$1,381	\$1,215	\$1,133	\$2,125
ICS 40	1 1/2	(40)	\$1,375	\$1,375	\$1,669	\$1,503	\$1,421	\$2,413
ICS 50	2	(50)	\$1,539	\$1,539	\$1,833	\$1,667	\$1,585	\$2,577
ICS 65	2 1/2	(65)	\$1,888	\$1,888	\$2,182	\$2,016	\$1,934	\$2,926
ICS 80	3	(80)	\$2,129	\$2,129	\$2,423	\$2,257	\$2,175	\$3,167
ICS 100	4	(100)	\$3,287	\$3,287	\$3,581	\$3,415	\$3,333	\$4,325
ICS 125	5	(125)	\$5,031	\$4,031	\$5,325	\$5,159	\$5,077	\$6,069
ICS 150	6	(150)	\$8,587	\$8,587	\$8,881	\$8,715	\$8,633	\$9,625

(1) Price does not include coil. Coil must be ordered separately; see page 24 for coil ordering.

(2) Outlet pressure regulators type ICS ("O" and "OS" versions) do not include external pilot mounting set with tubing and fittings.

(3) Requires EKC 366 Interface Module or EKC 361 Electronic Controller with AKS Temperature Sensor.

SOLENOID COIL(S) MUST BE ORDERED SEPARATELY; SEE PAGE 24 FOR COIL ORDERING.

WHEN ORDERING PLEASE SPECIFY VALVE TYPE, VARIATION, NOMINAL PORT SIZE, FLANGE TYPE AND SIZE.

OTHER REGULATOR VARIATIONS AND ASSEMBLED VALVES ARE AVAILABLE. CONSULT DANFOSS FOR ASSISTANCE.

ICS - Pressure Regulating Valve with Direct Weld Body (Steel Body)

Valve Size	Nominal Port Size		Flow Coefficient Cv (Kv)	Connection Type and Size (in.)				Weight without pilots	
	Inches	(mm)		FPT	SW	BW	ODS	lbs	(kg)
ICS 25-5	3/16	(5)	2 (1.7)	3/4", 1"	3/4", 1"	3/4", 1", 1 1/4"	7/8", 1 1/8", 1 3/8"	7.9	(3.6)
ICS 25-10	3/8	(10)	4.1 (3.5)	3/4", 1"	3/4", 1"	3/4", 1", 1 1/4"	7/8", 1 1/8", 1 3/8"	7.9	(3.6)
ICS 25-15	5/8	(15)	7 (6.0)	3/4", 1"	3/4", 1"	3/4", 1", 1 1/4"	7/8", 1 1/8", 1 3/8"	7.9	(3.6)
ICS 25-20	3/4	(20)	9.3 (8.0)	3/4", 1"	3/4", 1"	3/4", 1", 1 1/4"	7/8", 1 1/8", 1 3/8"	7.9	(3.6)
ICS 25-25	1	(25)	13.3 (11.5)	1"	1"	1", 1 1/4"	7/8", 1 1/8", 1 3/8"	7.9	(3.6)
ICS 32	1 1/4	(32)	20 (17)	-	1 1/4"	1 1/4", 1 1/2"	1 3/8", 1 5/8"	11.0	(5.0)
ICS 40	1 1/2	(40)	31 (27)	-	1 1/2"	1 1/2", 2"	1 5/8"	13.9	(6.3)
ICS 50	2	(50)	51 (44)	-	2"	2", 2 1/2"	2 1/8"	20	(9)
ICS 65	2 1/2	(65)	81 (70)	-	2 1/2"	2 1/2", 3"	2 5/8"	30	(14)
ICS 80	3	(80)	98 (85)	-	-	3"	-	30	(14)
ICS 100	4	(100)	165 (142)	-	-	4"	-	100	(45)
ICS 125	5	(125)	240 (207)	-	-	5"	-	150	(68)
ICS 150	6	(150)	410 (354)	-	-	6"	-	254	(115)



ICS Features:

- Direct-weld connections to eliminate leak potential
- Serviceable function module with V-port design
- ICS is one-third the weight and half the size of traditional cast iron valves with flanges (less costly to ship and takes up less space)
- Complete overhaul by replacing the one-piece function module containing the only wear surfaces
- Low temperature steel body, media range: -76 °F to +248 °F
- Stainless steel bolts
- 754 psig rated