- **Port size: G1/8 ... G1/2**
- **Enables air to be exhausted quickly from air cylinders**
- **Allows higher cylinder speeds to be achieved**
- **Simple, compact design and construction**
- **Very reliable in operation**

Technical features

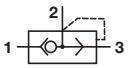
Medium:
Compressed air, filtered, lubricated or non-lubricated
Operation:
Poppet valve

Operating pressure:
0,5 ... 10 bar (7 ... 145 psi)
Port size:
G1/8,G1/4,G3/8,G1/2
Mounting:
Line mounted

Ambient/Media temperature:
-20°C ... +80°C max.(-4 ... +176°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F)

Materials:
Body and Cover:
Aluminium or zinc alloy
Seals: NBR

Technical data, standard models

Symbol	Port size			Flow factor 1 » 2			Flow factor 2 » 3			Flow from 1 » 2 at 6 » 5 bar	Weight	Spare kit	Model *3)
	Inlet	Outlet	Exhaust	C *1)	Cv	Kv *2)	C*1)	Cv	Kv*2)	(dm^3 /min)	(kg)		
	G1/8	G1/8	G1/8	3,8	0,93	0,81	7	1,72	1,49	837	0,15	T70C1800K0	T70C1800
	G1/4	G1/4	G1/4	7,4	1,8	1,58	9,7	2,38	2,07	1289	0,13	T70C2800K0	T70C2800
	G3/8	G3/8	G3/8	14,5	3,55	3,1	20,5	5	4,37	2656	0,21	T70C3800K0	T70C3800
	G1/2	G1/2	G1/2	19,7	4,83	4,2	25	6,13	5,33	3101	0,19	T70C4800K0	T70C4800

*1) Measured in dm^3/(s.bar)
*2) Measured in m^3/h

Options selector

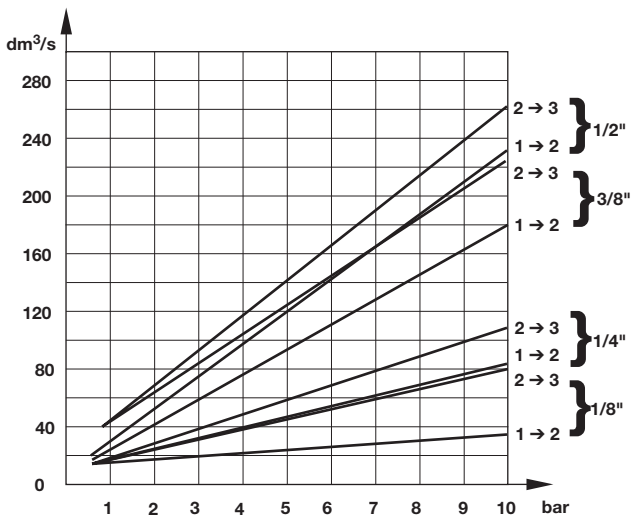
T70★★★00

Thread form	Substitute
ISO G, parallel	C
NPT	A

Port size	Substitute
1/8"	18
1/4"	28
3/8"	38
1/2"	48

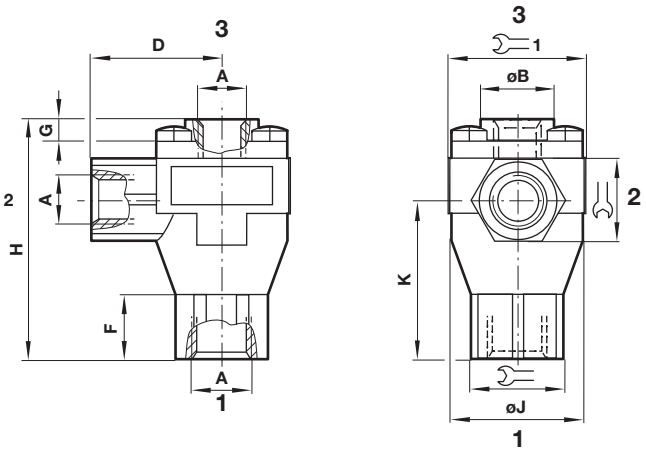
Characteristic curves

Choked flow versus inlet pressure
Way (1 » 2) and (2 » 3)



Drawing

Dimensions in mm
Projection/First angle



A	ØB	D	F	G	H	ØJ	K		1	Model
G 1/8	19	28	15,5	3,5	53	29	35,5	19	30	T70C1800
G 1/4	19	28	15,5	3,5	53	29	35,5	19	30	T70C2800
G 3/8	30	40	15,5	4	73,5	46	48	30	46	T70C3800
G 1/2	30	40	15,5	4	73,5	46	48	30	46	T70C4800

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under **»Technical features/data«**.
Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult IMI NORGREN.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.
System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.
System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.