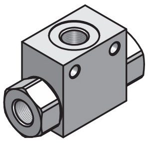
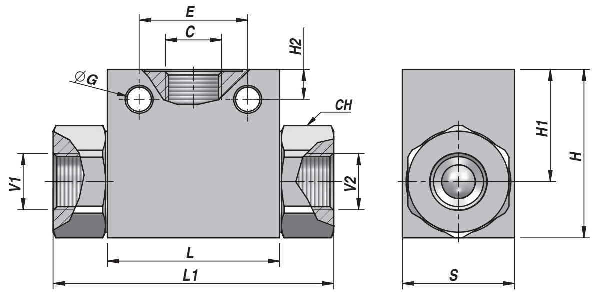
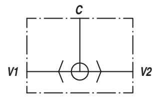
VU/SF

VALVE DE COMMUTATION
SHUTTLE VALVE





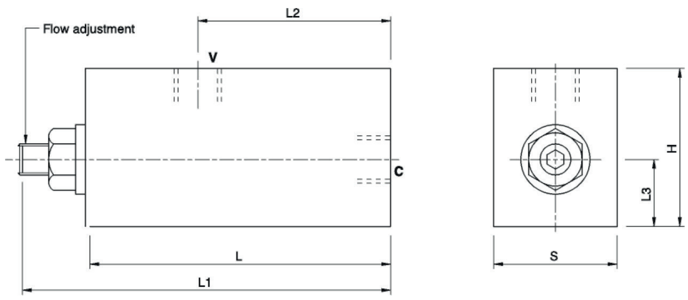


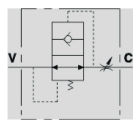
Code *Code*	C BSP	V1 - V2 BSP	Q MAX l/min	P MAX bar	Type *Type*	L	L1	ØG	E	H2	CH	H1	H	S	kg
VSG390.100000	1/4"	1/4"	35	500	VU/SF 010	36	69	5.5	25	7.5	22	22.5	35	25	0,27
VSG390.200000	3/8"	3/8"	50	500	VU/SF 020	45	75	6.5	29	8.0	27	30.0	45	30	0,46
VSG390.300000	1/2"	1/2"	90	500	VU/SF 030	57	94	5.5	36	9.0	30	32.0	50	35	0,74
VSG390.400000	3/4"	3/4"	140	350	VU/SF 040	65	100	6.5	50	6.5	41	37.5	60	50	1,41
VSG390.500000	1"	1"	180	300	VU/SF 050	80	126	10.5	60	11.0	46	54.5	80	50	1,87

MATERIEL CORPS : ACIER — MONTAGE EN LIGNE
BODY MATERIAL : STEEL — LINE MOUNTING

VUBR

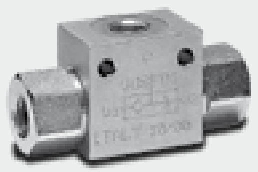
CLAPETS DE RUPTURE DE TUYAU AVEC RÉGLAGE EXTERNE
HOSE BURST VALVES WITH EXTERNAL ADJUSTMENT





Code *Code*	V - C BSP	Q MAX l/min	P MAX bar	Type *Type*	L	L1	L2	L3	H	S	kg
V1690.0785	3/8”	40	300	VUBR 3/8”	76	93	47	16	40	30	0.63
V1690.0795	1/2”	70	300	VUBR 1/2”	76	93	47	16	40	30	0.59

MATERIEL CORPS : ACIER — MONTAGE EN LIGNE
BODY MATERIAL : STEEL — LINE MOUNTING



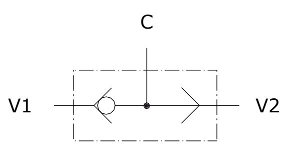
Type VT
shuttle valves

- Shuttle valves
- Ball type

Technical specifications and diagrams are measured with mineral oil ISO VG32 at 50°C *(122°F)* temperature.

	VT 14	**VT 38**	**VT 12**	**VT 34**	**VT 100**
Nominal flow	35 l/min *(9.3 US gpm)*	50 l/min *(13.2 US gpm)*	90 l/min *(23.8 US gpm)*	140 l/min *(37 US gpm)*	180 l/min *(47.6 US gpm)*
Max. pressure	350 bar *(5100 psi)*				
Fluid	mineral based oil				
Viscosity	from 10 to 200 cSt				
Max. level of contamination	18/16/13 ISO4406				
Fluid temperature	*with NBR seals:* from -20°C *(-4°F)* to 80°C *(176°F)*				
Environmental temp. for working conditions	-40°C *(-40°F)* to 100°C *(212°F)*				
Weight *Steel*	0.27 kg *(0.59 lb)*	0.464 kg *(1.02 lb)*	0.74 kg *(1.63 lb)*	1.406 kg *(3.1 lb)*	1.87 kg *(4.12 lb)*

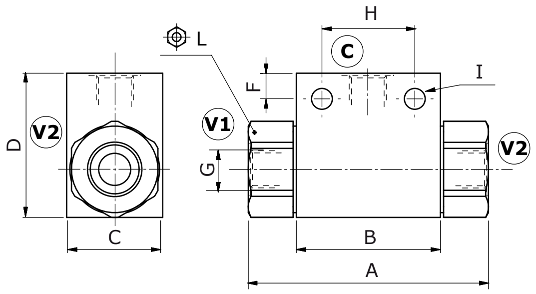
NOTE - For different conditions, please contact Sales Dpt.



Dimensions

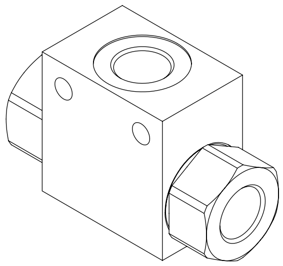
Dimensions are in mm-*in*

Valve type	A	B	C	D	E	F	G	H	I	⌖L
VT 14	69 *2.71*	36 *1.42*	25 *0.98*	35 *1.38*	22.5 *0.88*	7 *0.27*	G 1/4	25 *0.98*	6 *0.24*	22
VT 38	75 *2.95*	45 *1.77*	30 *1.18*	45 *1.77*	30 *1.18*	8 *0.31*	G 3/8	29 *1.14*	6.5 *0.25*	27
VT 12	94 *3.7*	57 *2.24*	35 *1.38*	50 *1.97*	32 *1.26*	9 *0.35*	G 1/2	36 *1.42*	5.5 *0.22*	30
VT 34	*100* *3.94*	65 *2.56*	50 *1.97*	60 *2.36*	37.5 *1.48*	6.5 *0.25*	G 3/4	50 *1.97*	6.5 *0.25*	41
VT 100	126 *4.96*	80 *3.15*	50 *1.97*	80 *3.15*	54.5 *2.14*	11 *0.43*	G 1	60 *2.36*	10.5 *0.41*	46



Ordering codes and description composition

Port size
VT 14



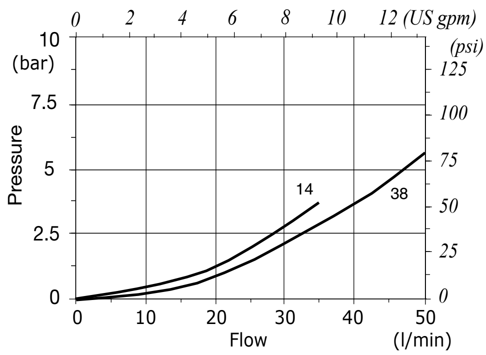
1 VT complete valves

TYPE	CODE	DESCRIPTION
VT14	1323012100	Steel body, G1/4 ports
VT38	1323022100	Steel body, G3/8 ports
VT12	1323032100	Steel body, G1/2 ports
VT34	1323042100	Steel body, G3/4 ports
VT100	1323052100	Steel body, G1 ports

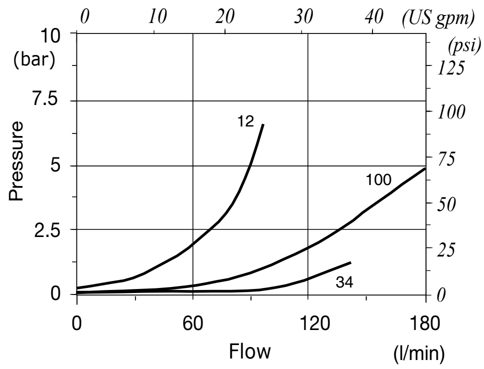
For different configurations and SAE thread please contact our Sales Dpt.

Rating diagrams

VT14-38 pressure drop vs. flow



VT12-34-100 pressure drop vs. flow



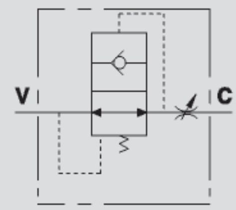
VALVOLE UNIDIREZIONALI CON BLOCCO AUTOMATICO E REGOLAZIONE ESTERNA

HOSE BURST VALVES WITH EXTERNAL ADJUSTMENT

TIPO / TYPE

VUBR

SCHEMA IDRAULICO
HYDRAULIC DIAGRAM



IMPIEGO:
Valvole utilizzate per prevenire la discesa incontrollata dell'attuatore in caso di rottura della tubazione. All'improvviso aumentare della portata (flusso di reazione) la valvola entra in funzione chiudendo il flusso. Rispetto alle tradizionali valvole paracadute permette la regolazione esterna della portata tramite grano.

USE AND OPERATION:
These valves are used to prevent uncontrolled descent of a load in case of hose failure. When the flow exceeds the valve setting (reaction flow), the valve will block the flow.
Unlike the standard hose burst valves these include an external flow adjuster

MATERIALI E CARATTERISTICHE:
Corpo: acciaio zincato.
Componenti interni: acciaio temprato termicamente e rettificato.
Tenuta: a sfera.

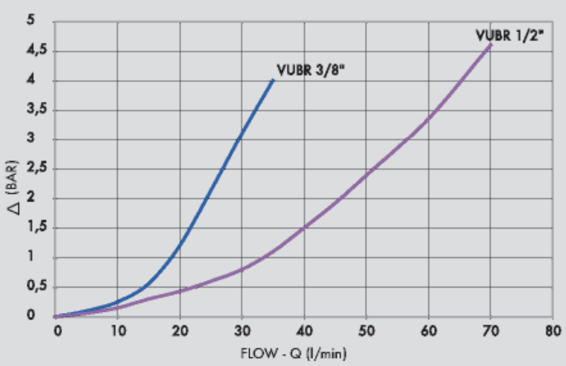
MATERIALS AND FEATURES:
Body: zinc-plated steel.
Internal components: hardened and ground steel.
Load holding : ball type.

MONTAGGIO:
Collegare V all'alimentazione e C all'attuatore. Per regolare la portata (1 giro ≈ 15 l) tenere il dado ermetico appoggiato alla valvola in modo da evitare perdite di olio.

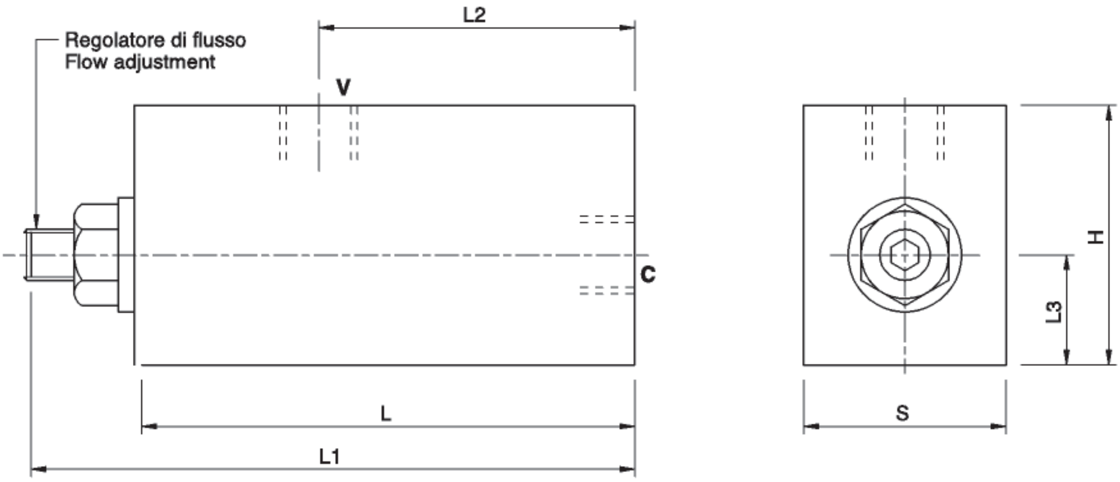
CONNECTIONS:
Connect V to the supply flow and C to the actuator. To adjust the flow (1 turn ≈ 15 l), keep the nut on the valve in order to prevent oil leakage.

PERDITE DI CARICO
PRESSURE DROP CURVE

Temperatura olio: 50°C - Viscosità olio: 30 cSt
Oil temperature: 50° C - Oil viscosity: 30 cSt



CODICE CODE	SIGLA TYPE	PORTATA MAX MAX FLOW Lt. / min	PRESSIONE MAX MAX PRESSURE Bar
V0785	VUBR 3/8"	40	300
V0795	VUBR 1/2"	70	300



CODICE CODE	SIGLA TYPE	V - C GAS	L mm	L1 mm	L2 mm	L3 mm	H mm	S mm	PESO WEIGHT kg
V0785	VUBR 3/8"	G3/8"	76	93	47	16	40	30	0,634
V0795	VUBR 1/2"	G1/2"	76	93	47	16	40	30	0,586