



# DEVIATORI DI FLUSSO DIVERTER VALVES





## 12.1 - DEVIATORI DI FLUSSO A 3 VIE

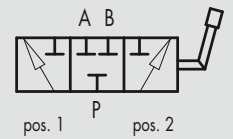
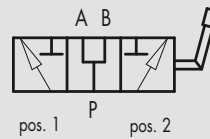
### 12.1 - 3-WAYS DIVERTER VALVES

TIPO/TYPE  
DF 3



SCHEMA IDRAULICO  
(con centro aperto)  
HYDRAULIC DIAGRAM  
(with opened centre)

A RICHIESTA  
(con centro chiuso)  
ON REQUEST  
(with closed centre)



#### IMPIEGO:

Valvole utilizzate per deviare il flusso in ingresso verso due bocche d'uscita.

#### MATERIALI E CARATTERISTICHE:

**Corpo:** ghisa

**Componenti interni:** acciaio temprato termicamente e rettificato

**Guarnizioni:** BUNA N standard

**Tenuta:** trafilemento trascurabile

#### MONTAGGIO:

Collegare P all'alimentazione e le bocche A e B ai rami del circuito idraulico a cui si vuole deviare il flusso. Con leva in pos. 1 si alimenta la bocca A, con leva in pos. 2 si alimenta la bocca B. Con leva in posizione centrale le bocche P, A e B sono tutte collegate (centro aperto).

#### A RICHIESTA:

- Centro chiuso (CODICE/CC)
- Alta pressione - fino a 400 Bar (CODICE/AP)

#### USE AND OPERATION:

3 ways diverter valves is used to divert the flow towards 2 different outlets.

#### MATERIALS AND FEATURES:

**Body:** cast iron

**Internal parts:** hardened and ground steel

**Seals:** BUNA N standard

**Tightness:** minor leakage

#### APPLICATIONS:

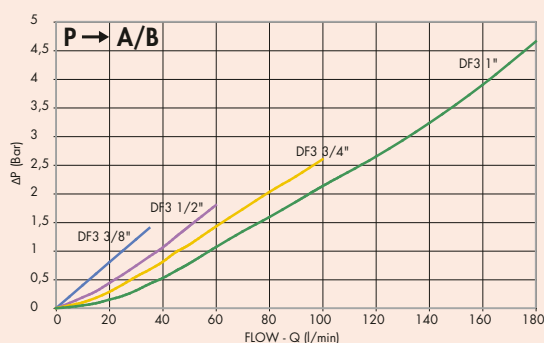
Connect P to the pressure flow, A and B to the ports of the hydraulic circuit where flow has to be diverted. With lever in position 1 the flow is connected towards port A; with lever in position 2, the flow is connected towards port B. With lever in central position ports P, A and B are all connected (open centre).

#### ON REQUEST

- Closed centre (CODE/CC)
- High pressure - up to 400 Bar (CODE/AP)

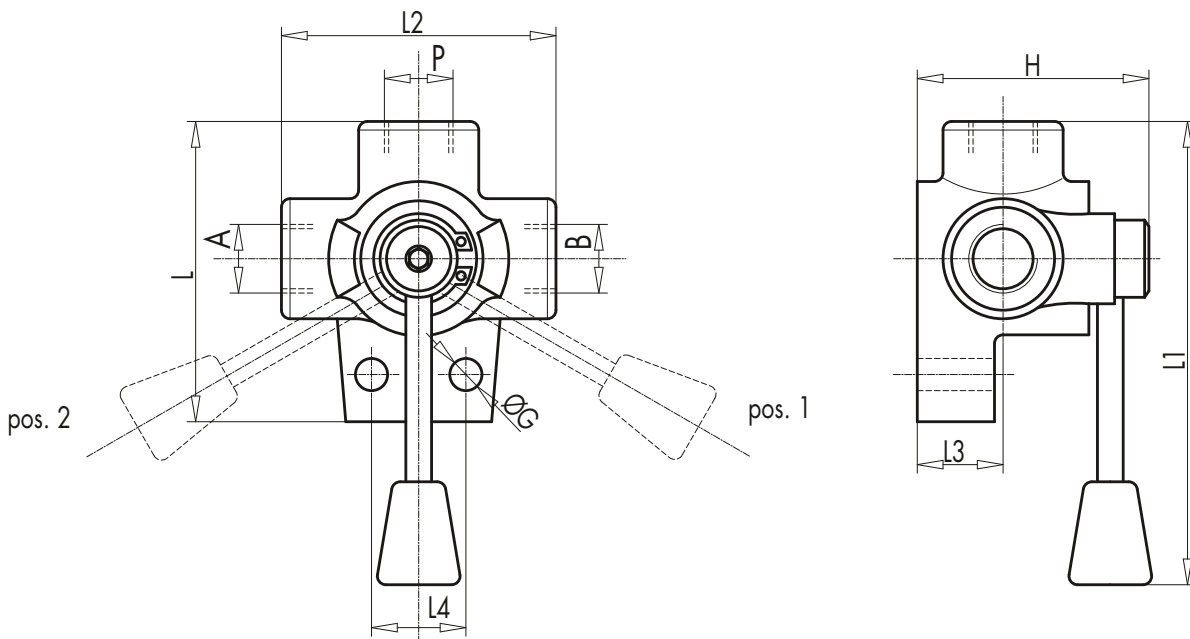
#### PERDITE DI CARICO PRESSURE DROPS CURVE

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
<b>V0880</b>	DF 3 VIE 3/8"	35	250
<b>V0890</b>	DF 3 VIE 1/2"	60	250
<b>V0900</b>	DF 3 VIE 3/4"	100	250
<b>V0910</b>	DF 3 VIE 1"	180	250



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CODICE CODE	SIGLA TYPE	A - B P	L	L1	L2	L3	L4	ØG	H	PESO WEIGHT
		GAS	mm	mm	mm	mm	mm	mm	mm	Kg
<b>V0880</b>	DF 3 VIE 3/8"	G 3/8"	76	140	68	25	26	8,5	67	0,914
<b>V0890</b>	DF 3 VIE 1/2"	G 1/2"	87	145	80	28	32	8,5	70	1,392
<b>V0900</b>	DF 3 VIE 3/4"	G 3/4"	103	150	94	30	32	11	78	2,030
<b>V0910</b>	DF 3 VIE 1"	G 1"	105	152	98	30	32	11	82	2,144





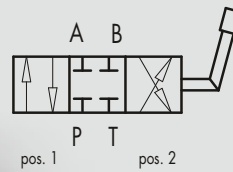
## 12.2 - INVERTITORI DI FLUSSO A 4 VIE

### 12.2 - 4-WAYS DIVERTER VALVES

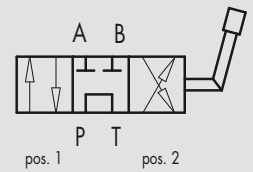
TIPO/TYPE  
IF 4



SCHEMA IDRAULICO  
(con centro chiuso)  
HYDRAULIC DIAGRAM  
(with closed centre)



A RICHIESTA  
(con centro aperto)  
ON REQUEST  
(with opened centre)



#### IMPIEGO:

Valvole utilizzate per invertire il flusso dell'olio da due ingressi a due uscite. Possono essere impiegati per azionare attuatori a doppio effetto o per invertire la rotazione di un motore idraulico.

#### MATERIALI E CARATTERISTICHE:

**Corpo:** ghisa

**Componenti interni:** acciaio temprato termicamente e rettificato

**Guarnizioni:** BUNA N standard

**Tenuta:** trafileamento trascurabile

#### MONTAGGIO:

Collegare P all'alimentazione, T al serbatoio e le bocche A e B all'attuatore o al motore. Con leva in pos. 1, P alimenta A e contemporaneamente B va allo scarico T; con leva in pos. 2, P alimenta B e contemporaneamente A va allo scarico T. Con leva in posizione centrale tutte le bocche sono chiuse (centro chiuso).

#### A RICHIESTA:

- Centro aperto (CODICE/CA)
- Alta pressione - fino a 400 Bar (CODICE/AP)

#### USE AND OPERATION:

This valve is used to reverse oil flow from 2 ways in towards two ways out. It could be used to control a double acting actuators or to reverse the rotation of an hydraulic motor.

#### MATERIALS AND FEATURES:

**Body:** cast iron

**Internal parts:** hardened and ground steel

**Seals:** BUNA N standard

**Tightness:** low leakage

#### APPLICATIONS:

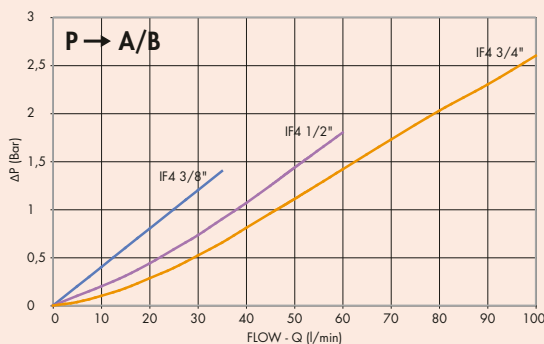
Connect P to the pressure flow, T to the tank and ports A and B to the actuators or motor. With lever in position 1, P is connected to A and at the same time B drains into the tank T; with lever in position 2, P is connected to B and at the same time A drains into tank T. With lever in central position all ports are closed (closed centre).

#### ON REQUEST

- Open centre (CODE/CA).
- High pressure - up to 400 Bar (CODE/ AP)

#### PERDITE DI CARICO PRESSURE DROPS CURVE

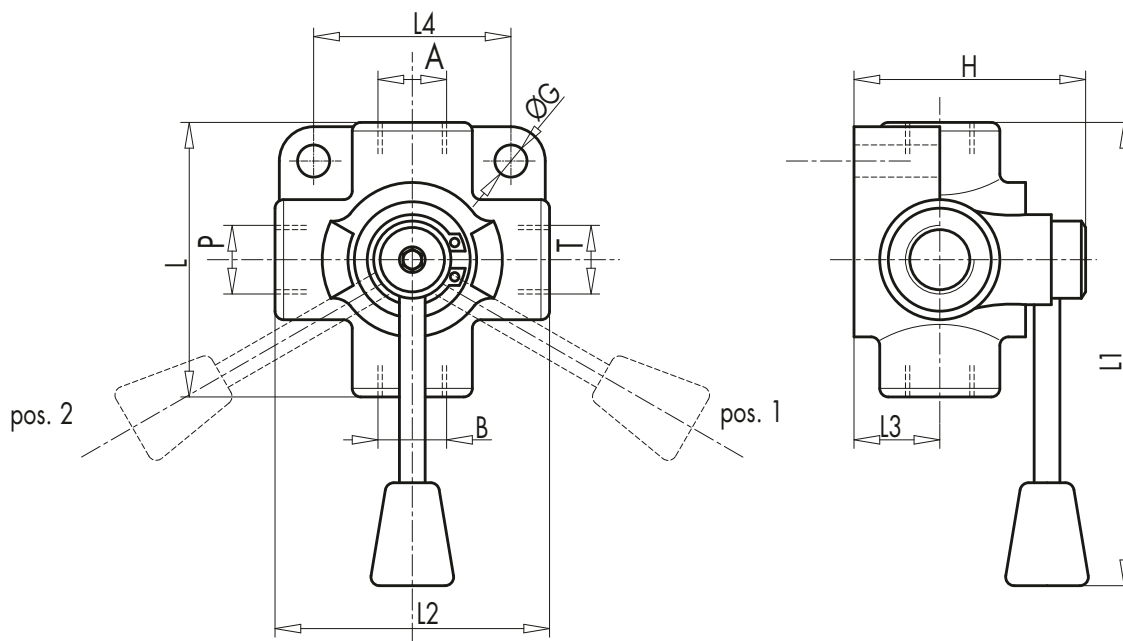
Temperatura olio: 50°C - Viscosità olio: 30 cSt  
Oil temperature: 50°C - Oil viscosity: 30 cSt





CODICE CODE	SIGLA TYPE	PORTATA MAX MAX FLOW Lt./min	PRESSIONE MAX MAX PRESSURE Bar
<b>V0970</b>	IF 4 VIE 3/8"	35	250
<b>V0980</b>	IF 4 VIE 1/2"	60	250
<b>V0990</b>	IF 4 VIE 3/4"	100	250

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**12**

CODICE CODE	SIGLA TYPE	A - B P - T	L	L1	L2	L3	L4	ØG	H	PESO WEIGHT
		GAS	mm	mm	mm	mm	mm	mm	mm	Kg
<b>V0970</b>	IF 4 VIE 3/8"	G 3/8"	76	140	76	26	54	8,5	72	1,346
<b>V0980</b>	IF 4 VIE 1/2"	G 1/2"	88	145	88	30	65	8,5	82	1,928
<b>V0990</b>	IF 4 VIE 3/4"	G 3/4"	95	180	95	32	74	8,5	90	2,534





## 12.3 - DEVIATORI DI FLUSSO A 6 VIE

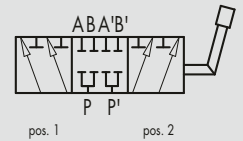
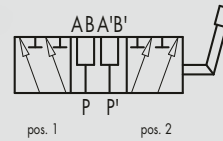
### 12.3 - 6-WAYS DIVERTER VALVES

TIPO/TYPE  
DF 6



SCHEMA IDRAULICO  
(con centro aperto)  
HYDRAULIC DIAGRAM  
(with opened centre)

A RICHIESTA  
(con centro chiuso)  
ON REQUEST  
(with closed centre)



#### IMPIEGO:

Valvole formate da due deviatori a 3 vie accoppiati: ognuna delle due sezioni ha la funzione di deviare il flusso da una sola alimentazione a due uscite. Tramite un'unica leva si azionano contemporaneamente le due sezioni. Possono essere utilizzati per azionare due attuatori.

#### MATERIALI E CARATTERISTICHE:

**Corpo:** ghisa

**Componenti interni:** acciaio temprato termicamente e rettificato

**Guarnizioni:** BUNA N standard

**Tenuta:** trafileamento trascurabile

#### MONTAGGIO:

Collegare P e P' alle due alimentazioni, le bocche A e B al primo attuttore e le bocche A' e B' al secondo attuttore. Con leva in pos. 1 P alimenta A e P' alimenta A', con leva in pos. 2 P alimenta B e P' alimenta B'. Con leva in posizione centrale le bocche di ogni sezione sono tra loro collegate (centro aperto).

#### A RICHIESTA:

- Centro chiuso (CODICE/CC)
- Alta pressione - fino a 400 Bar (CODICE/AP)

#### USE AND OPERATION:

This valve is made up by two 3-ways diverters coupled: each of the 2 parts is used to divert the inlet flow towards two ports. The single lever controls both the parts at the same time. It's ideal to control 2 actuators.

#### MATERIALS AND FEATURES:

**Body:** cast iron

**Internal parts:** hardened and ground steel

**Seals:** BUNA N standard

**Tightness:** minor leakage

#### APPLICATIONS:

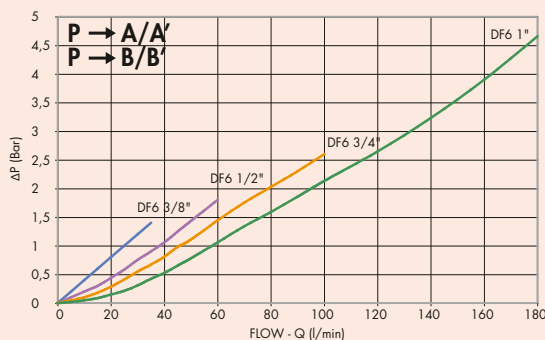
Connect P and P' to the 2 pressure flows, ports A and B to the first actuator and ports A' and B' to the second actuator. With lever in position 1, P is connected to A and P' to A'; with lever in position 2, P is connected to B and P' to B'. With lever in central position all ports are connected among each other (opened centre).

#### ON REQUEST

- Closed centre (CODE/CC)
- High pressure - up to 400 Bar (CODE/ AP)

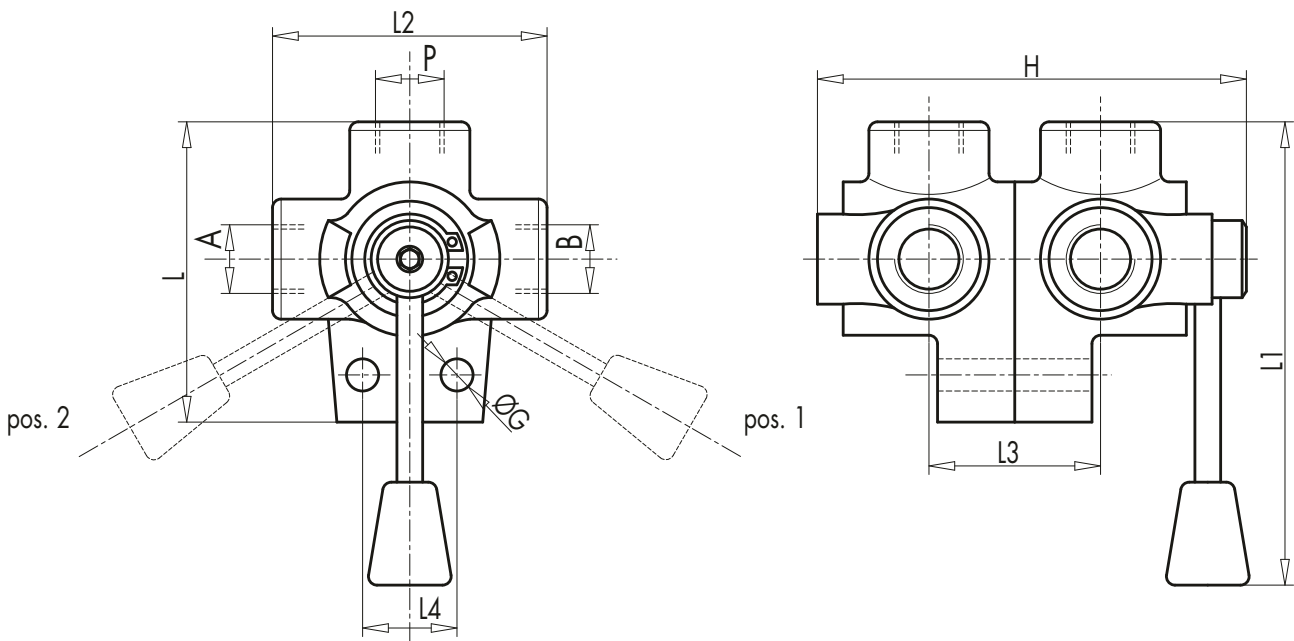
#### PERDITE DI CARICO PRESSURE DROPS CURVE

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
<b>V0920</b>	DF 6 VIE 3/8"	35	250
<b>V0940</b>	DF 6 VIE 1/2"	60	250
<b>V0950</b>	DF 6 VIE 3/4"	100	250
<b>V0960</b>	DF 6 VIE 1"	180	250



CODICE CODE	SIGLA TYPE	A - B P	L	L1	L2	L3	L4	ØG	H	PESO WEIGHT
		GAS	mm	mm	mm	mm	mm	mm	mm	Kg
<b>V0920</b>	DF 6 VIE 3/8"	G 3/8"	76	140	68	45	26	8,5	117	1,688
<b>V0940</b>	DF 6 VIE 1/2"	G 1/2"	87	145	80	51	32	8,5	125	2,628
<b>V0950</b>	DF 6 VIE 3/4"	G 3/4"	103	150	94	55	32	11	140	4,634
<b>V0960</b>	DF 6 VIE 1"	G 1"	105	152	98	60	32	11	155	4,238





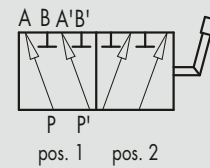
## 12.4 - DEVIATORI DI FLUSSO A 6 VIE IN ACCIAIO

### 12.4 - 6-WAYS DIVERTER VALVES, STEEL BODY

TIPO/TYPE  
DF 6A



SCHEMA IDRAULICO  
HYDRAULIC DIAGRAM



#### IMPIEGO:

Valvole utilizzate per deviare il flusso da due entrate a 4 uscite (2 per volta alternativamente). Possono essere utilizzati per alimentare due attuatori.

#### MATERIALI E CARATTERISTICHE:

**Corpo:** acciaio zincato

**Componenti interni:** acciaio temprato termicamente e rettificato

**Guarnizioni:** BUNA N standard

**Tenuta:** trafileamento trascurabile

#### MONTAGGIO:

Collegare P e P' alle due alimentazioni, le bocche A e B al primo attuatore e le bocche A' e B' al secondo attuatore. Con leva in pos. 1 P alimenta A e P' alimenta A', con leva in pos. 2 P alimenta B e P' alimenta B'. È sconsigliato l'uso del deviatore con leva in posizione centrale.

#### USE AND OPERATION:

This valve is used to divert the flow from 2 ways in towards 4 ports (two at a time alternatively). It's ideal to control 2 actuators.

#### MATERIALS AND FEATURES:

**Body:** zinc-plated steel

**Internal parts:** hardened and ground steel

**Seals:** BUNA N standard

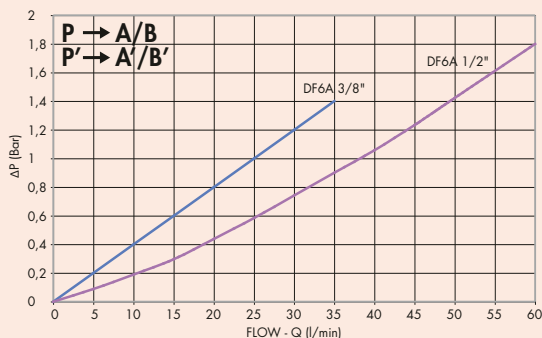
**Tightness:** minor leakage

#### APPLICATIONS:

Connect P and P' to the 2 pressure flows, ports A and B to the first actuator and ports A' and B' to the second actuator. With lever in position 1, P is connected to A and P' to A'; with lever in position 2, P is connected to B and P' to B'. Use with lever in central position is not recommended.

#### PERDITE DI CARICO PRESSURE DROPS CURVE

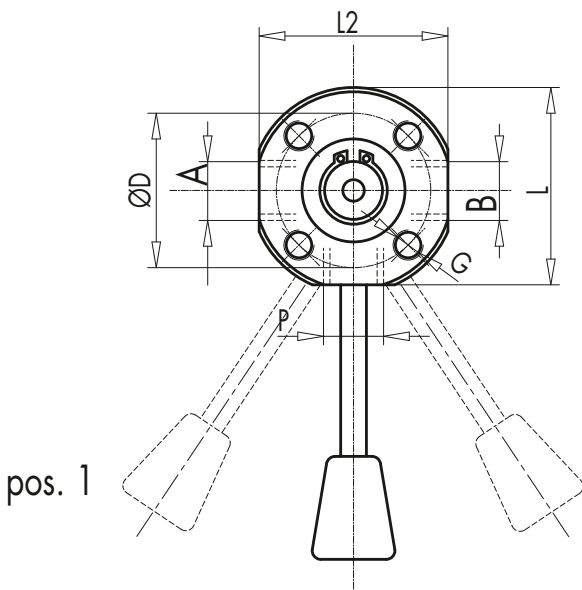
Temperatura olio: 50°C - Viscosità olio: 30 cSt  
Oil temperature: 50°C - Oil viscosity: 30 cSt



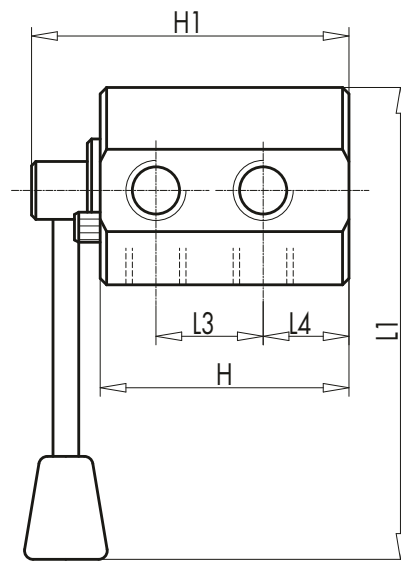




CODICE CODE	SIGLA TYPE	PORTATA MAX MAX FLOW Lt./min	PRESSIONE MAX MAX PRESSURE Bar
<b>V0930</b>	DF 6 VIE 3/8" ACCIAIO	40	300
<b>V0932</b>	DF 6 VIE 1/2" ACCIAIO	60	300



pos. 2



CODICE CODE	SIGLA TYPE	A-B P	L	L1	L2	L3	L4	ØD	H	H1	G	PESO WEIGHT
		GAS	mm	mm	mm	mm	mm	mm	mm	mm	mm	Kg
<b>V0930</b>	DF 6 VIE 3/8" ACCIAIO	G 3/8"	60	140	58	32	25	47	74	96	M8	1,540
<b>V0932</b>	DF 6 VIE 1/2" ACCIAIO	G 1/2"	69	145	66	37	27	47	83	105	M8	2,294

