

Part number:

HYDROMA

HYDRAULICKÉ SYSTÉMY

**HIDROMA
SYSTEMS**

UKŁADY HYDRAULICZNE

HYDROMA

ГИДРАВЛИЧЕСКИЕ СИСТЕМЫ

HC-SU/SE

HCSUSE-04

GENERAL SPECIFICATIONS - CARATTERISTICHE GENERALI

Standard working conditions

- MAXIMUM INPUT PRESSURE 5075 psi
- PRESSURE ON U LINE 145-1015 psi
- MAXIMUM BACK PRESSURE ON TANK LINE ..43,5 bar
- MINIMUM PRESSURE IN P1145 psi
- HYDRAULIC FLUIDolio minerale
- FLUID TEMPERATURE RANGE-20+80 °C
- FLUID VISCOSITY RANGE 10 +300 Cst
- RECOMMENDED FILTRATION 25 µ assoluti
- ACCUMULATOR PRECHARGE145 psi
- CAPACITY ON SERVICE PORT U
WITHOUT ACCUMULATOR8 l/min
- WEIGHT WITH ACCUMULATOR ..0,09 gal US .6,6 lb
.....0,20 gal US ..5,5 lb
.....0,40 gal US .12,6 lb

Condizioni di lavoro standard

- PRESSIONE MASSIMA DI INGRESSO 350 bar
- PRESSIONE RIDOTTA PORTA U 10-70 bar
- CONTROPRESSIONE MAX. PORTA T 3 bar
- PRESSIONE MINIMA IN P1 10 bar
- FLUIDO IDRAULICO olio minerale
- TEMPERATURA DEL FLUIDO -20+80 °C
- VISCOSITÀ DEL FLUIDO 10+300 Cst
- GRADO DI FILTRAZIONE 25 µ assoluti
- PRECARICA ACCUMULATORE10 bar
- PORTATA SENZA ACCUMULATORE
SULLA PORTA U8 l/min
- MASSA ACCUMULATORE da 0,35 litri ..3 kg
.....da 0,75 litri ..2,5 kg
.....da 1,5 litri ..5,7 kg

Technical specifications

- BODY..... CAST IRON
- SURFACE COATING ZINC PLATED
- PLUNGER STAINLESS STEEL
- PLUNGER GUIDE..... BRASS

Caratteristiche tecniche

- CORPO GHISA
- PROTEZIONE SUPERFICIALE ZINCATURA
- SPINTORE ACCIAIO INOX
- GUIDA SPINTORE OTTONE

Unit of measure - Conversion factors

Systems / Unit	METRIC	BSP
LENGTH	1 mm = 0,0394 in	1 in = 25,4 mm
MASS	1 kg = 2,205 lb	1 lb = 0,4536 kg
FORCE	1 Nm = 0,1020 kgf	1 kgf = 9,8067 Nm
VOLUME	1 l = 0,2200 gal UK 1 l = 0,2642 gal US	1 gal UK = 4,546 l 1 gal US = 3,785 l
PRESSURE	1 bar = 100000 Pa 1 bar = 14,5 psi	1 Pa = 0,00001 bar 1 psi = 0.0689 bar

Unità di misura - Fattori conversione

Sistemi / Unità	METRICO	BRITANNICO
LUNGHEZZA	1 mm = 0,0394 in	1 in = 25,4 mm
MASSA	1 kg = 2,205 lb	1 lb = 0,4536 kg
FORZA	1 Nm = 0,1020 kgf	1 kgf = 9,8067 Nm
VOLUME	1 l = 0,2200 gal UK 1 l = 0,2642 gal US	1 gal UK = 4,546 l 1 gal US = 3,785 l
PRESSIONE	1 bar = 100000 Pa 1 bar = 14,5 psi	1 Pa = 0,00001 bar 1 psi = 0.0689 bar

If using hydraulic remote controls HC-SU/SE with different technical specifications or with special functions that are not shown in our catalogue, you are kindly requested to contact our technical and sales department.

Per l'impiego dei telecomandi HC-SU/SE con diverse caratteristiche tecniche o con particolari opzioni non a catalogo interpellare il nostro servizio tecnico-commerciale.

Order example

Esempio di ordinazione

HC-SU2

A

pag. 5

V04

B

pag. 12

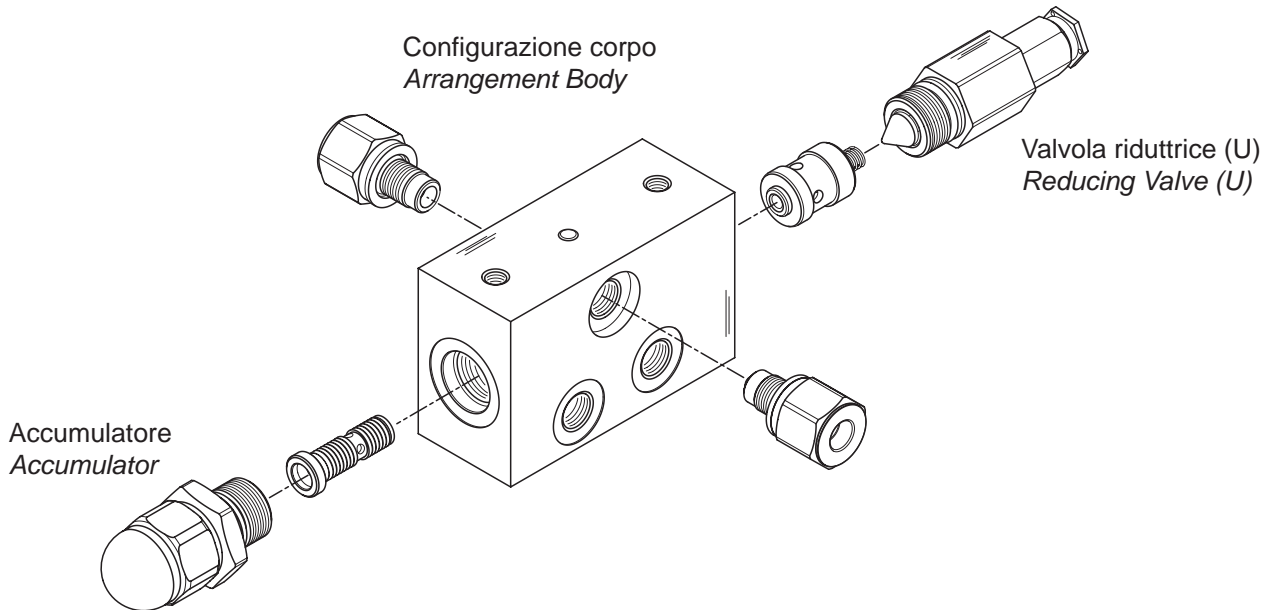
30

C

RA G02

D

pag. 11



A **PRODUCT TYPE**
TIPOLOGIA PRODOTTO

SU = model - modellopag. 5

2 = number of lines - numero ingressipag. 5

C **REDUCING VALVE**
VALVOLA RIDUTTRICE

30 = pressure setting (0 - 70 bar on service port U)
taratura (0 - 70 bar sulla bocca U)

B **ACCUMULATOR**
ACCUMULATORE

V04 = accumulator model - modello accumulatorepag. 12

D **BODY ARRANGEMENT**
ALLESTIMENTO CORPO

RA = body configuration - configurazione corpo ..pag. 11

G02 = thread type - tipologia filettatura

HYDRAULIC DIAGRAM
SCHEMA IDRAULICO

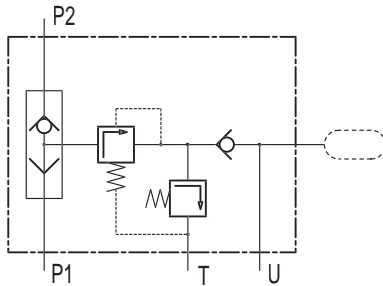
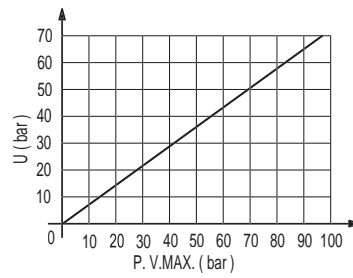


DIAGRAM
DIAGRAMMA

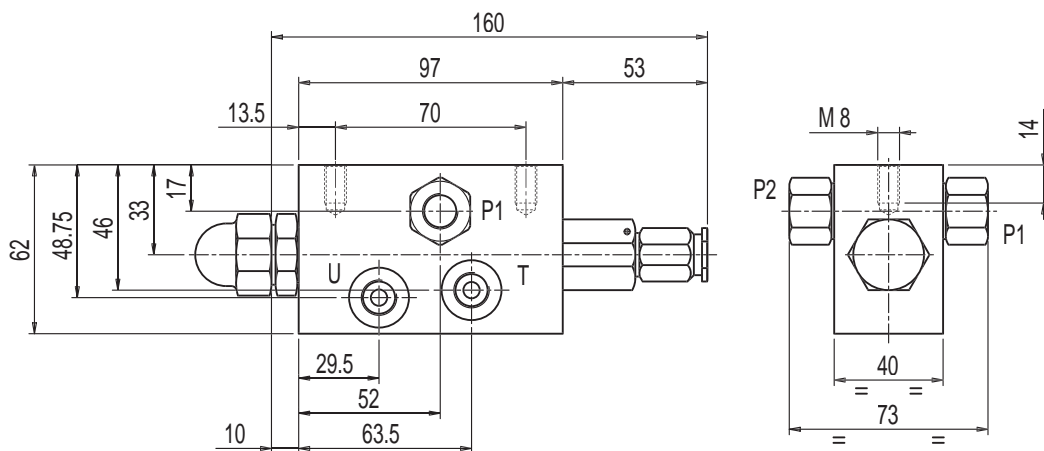


Two (P) lines supply unit
at high pressure

Unità di alimentazione con 2
ingressi ad alta pressione

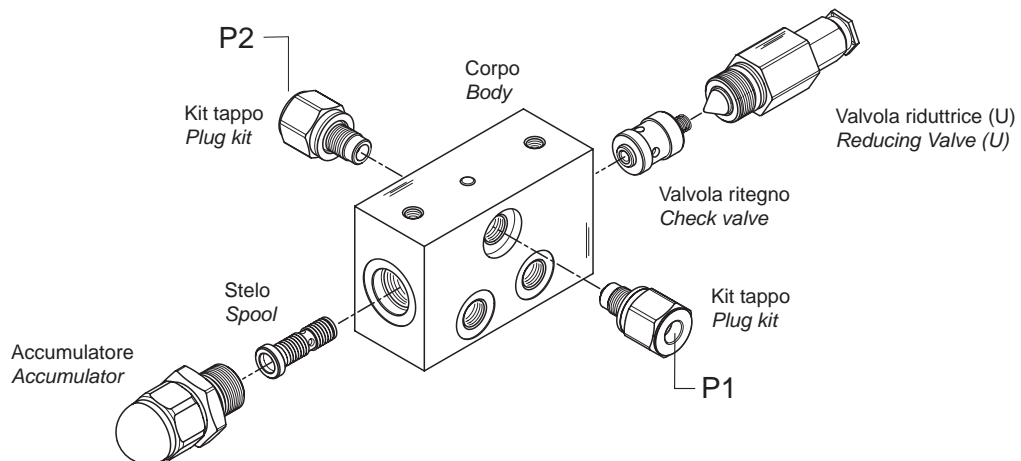
HC-SU2

DIMENSIONS - DIMENSIONI



Weight	3,74 lb
Massa (peso)	1,7 Kg

LAYOUT - CONFIGURAZIONE



SUPPLY UNIT - UNITÀ DI ALIMENTAZIONE

HYDRAULIC DIAGRAM
SCHEMA IDRAULICO

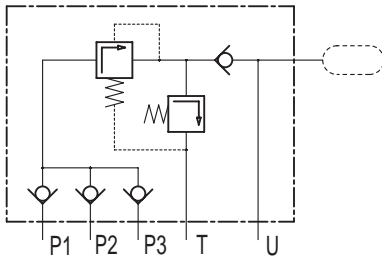
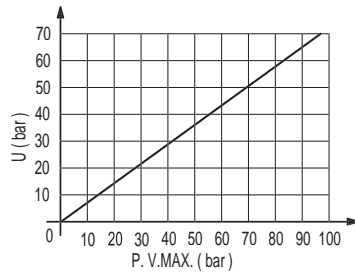


DIAGRAM
DIAGRAMMA

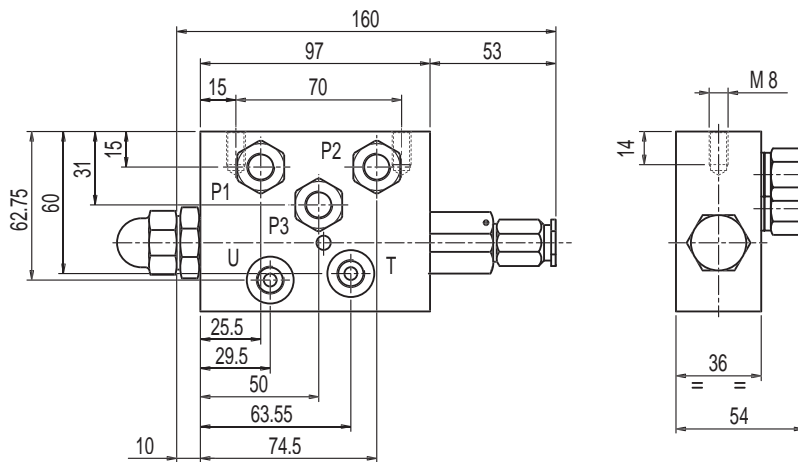


Three (P) lines supply unit
at high pressure

Unità di alimentazione con 3
ingressi ad alta pressione

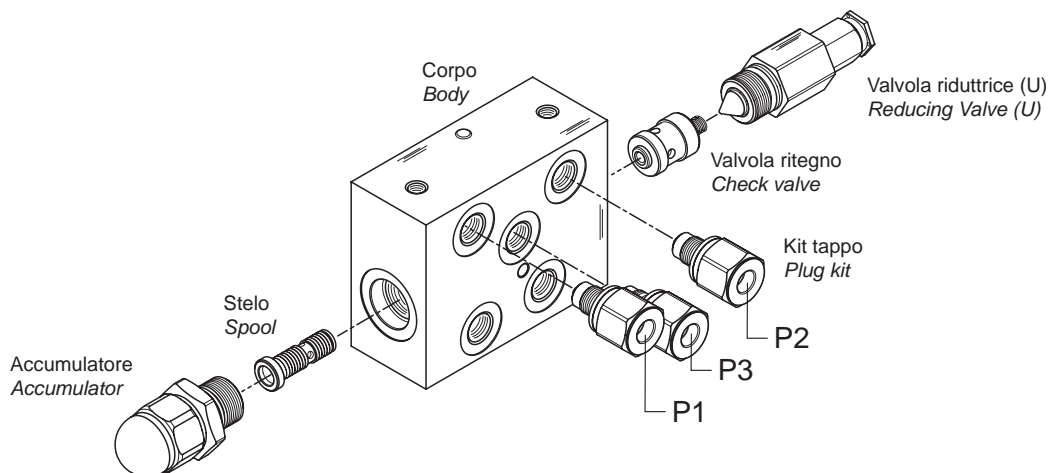
HC-SU3

DIMENSIONS - DIMENSIONI



Weight	4,40 lb
Massa (peso)	2,0 Kg

LAYOUT - CONFIGURAZIONE



HYDRAULIC DIAGRAM
SCHEMA IDRAULICO

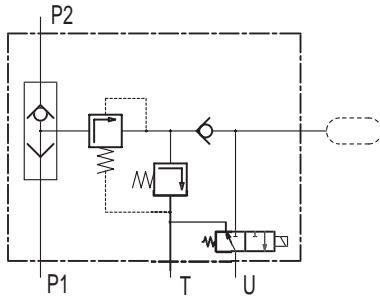
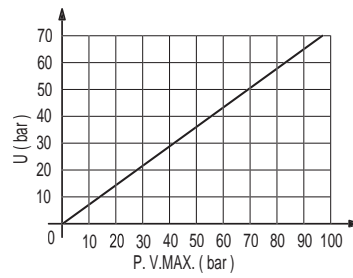


DIAGRAM
DIAGRAMMA

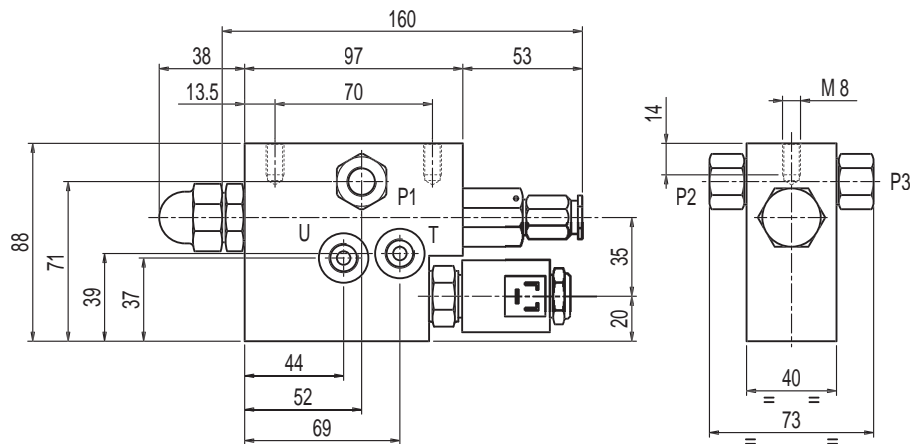


supply unit with 2 inlets at high pressure and 1 outlet with reduced pressure (port U) with dump valve

Unità di alimentazione con 2 ingressi ad alta pressione ed 1 uscita a pressione ridotta (utilizzo U) con valvola di messa scarico elettrica.

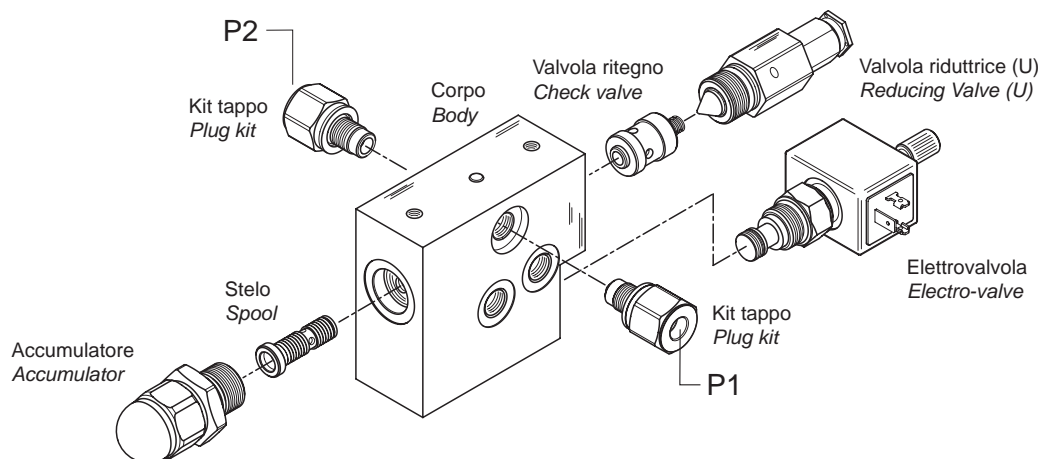
HC-SE2

DIMENSIONS - DIMENSIONI



Weight	5,73 lb
Massa (peso)	2,6 Kg

LAYOUT - CONFIGURAZIONE



SUPPLY UNIT - UNITÀ DI ALIMENTAZIONE

HYDRAULIC DIAGRAM
SCHEMA IDRAULICO

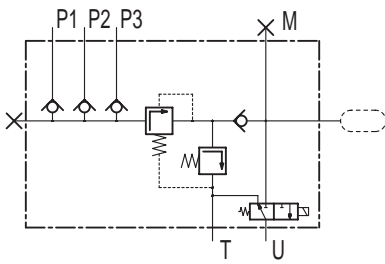
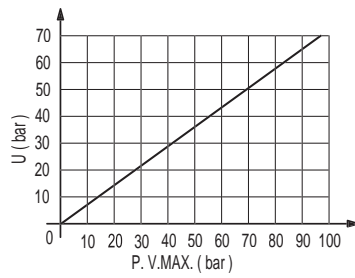


DIAGRAM
DIAGRAMMA

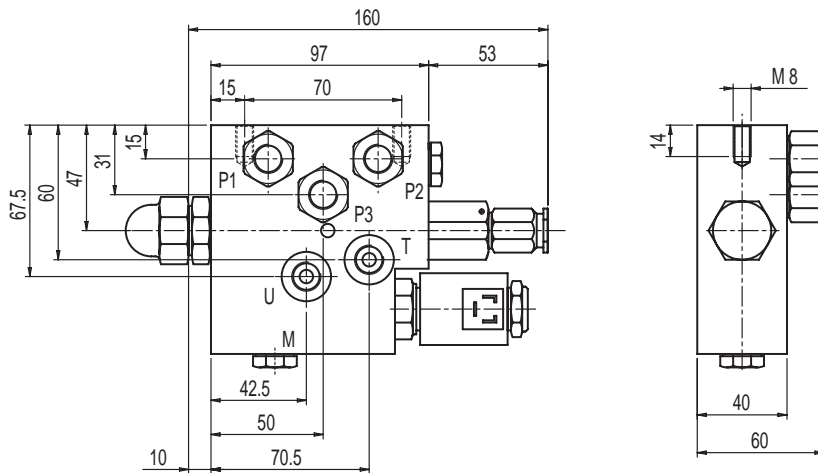


Supply unit with 3 inlets at high pressure and 1 outlet with reduced pressure (port U) with dump valve

Unità di alimentazione con 3 ingressi ad alta pressione ed 1 uscita a pressione ridotta (utilizzo U) con valvola di messa scarico elettrica.

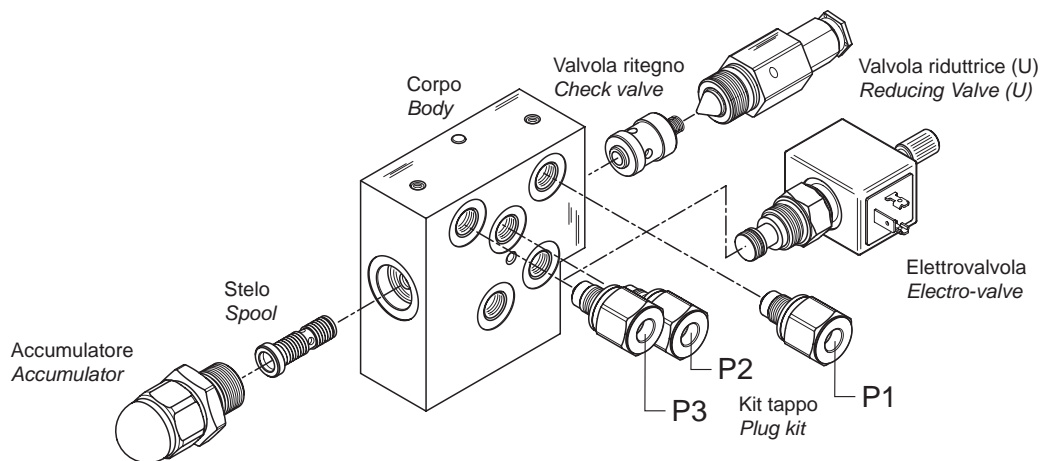
HC-SE3/1 VPE

DIMENSIONS - DIMENSIONI



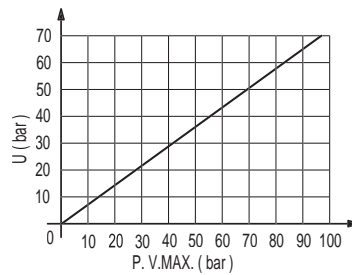
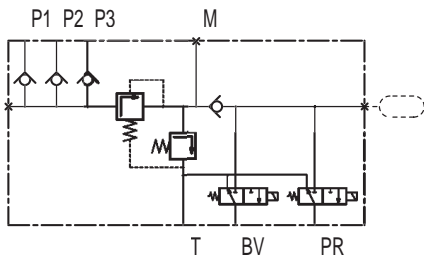
Weight	6,39 lb
Massa (peso)	2,9 Kg

LAYOUT - CONFIGURAZIONE



SUPPLY UNIT - UNITÀ DI ALIMENTAZIONE

HYDRAULIC DIAGRAM SCHEMA IDRAULICO DIAGRAM DIAGRAMMA DESCRIPTION + CODE DESCRIZIONE + SIGLA

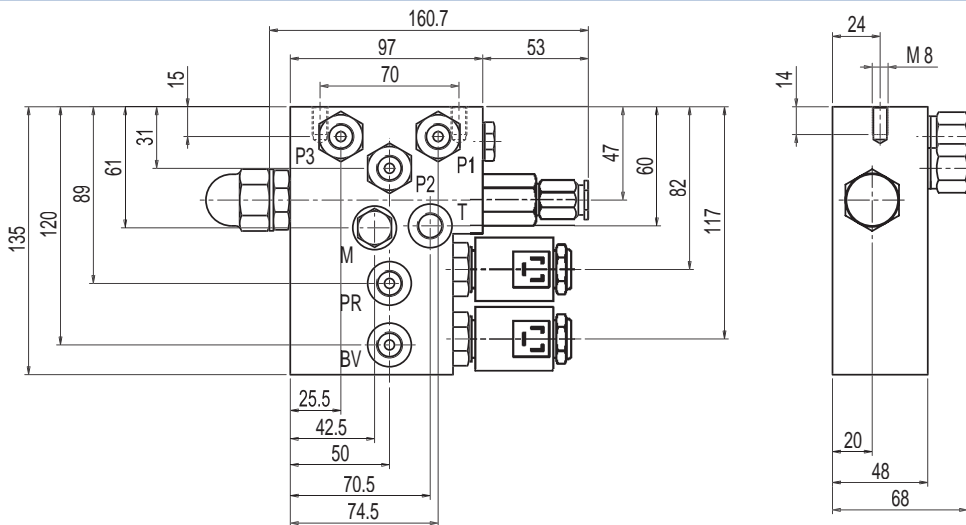


Supply unit with 3 inlets at high pressure and 2 outlets at reduced pressure (ports BV - PR) with dump valve on each outlet

Unità di alimentazione con 3 ingressi ad alta pressione e 2 uscite a pressione ridotta (utilizzi BV - PR) con valvola di messa scarico elettrica su ognuna di esse.

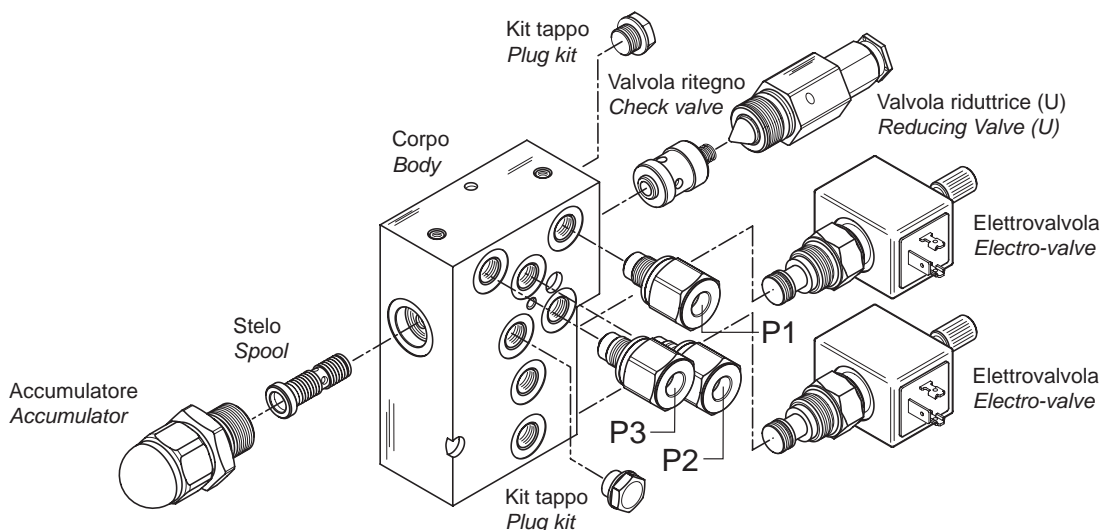
HC-SE3/2 VPE

DIMENSIONS - DIMENSIONI



Weight	10,71 lb
Massa (peso)	4,86 Kg

LAYOUT - CONFIGURAZIONE



SUPPLY UNIT - UNITÀ DI ALIMENTAZIONE

HYDRAULIC DIAGRAM
SCHEMA IDRAULICO

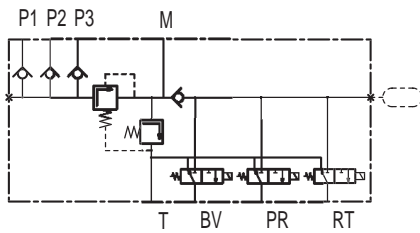
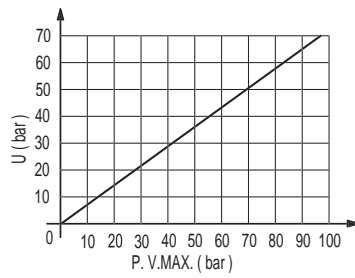


DIAGRAM
DIAGRAMMA



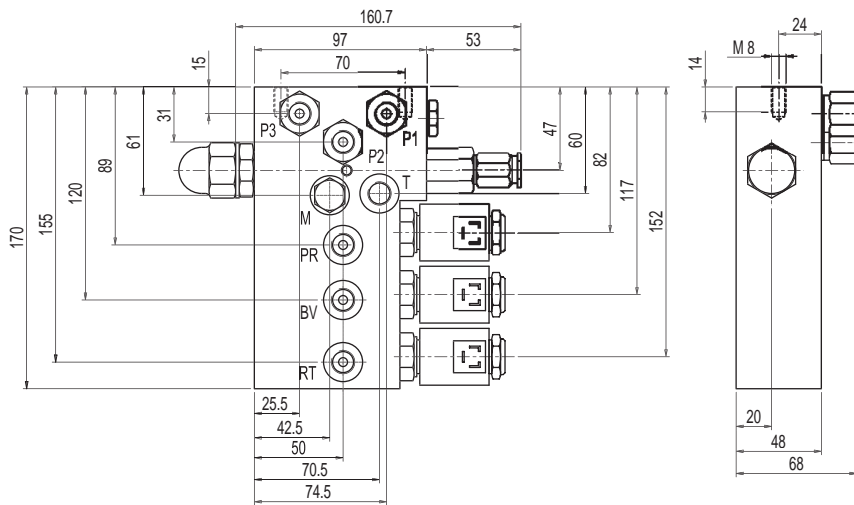
DESCRIPTION + CODE
DESCRIZIONE + SIGLA

Supply unit with 3 inlets at high pressure and 3 outlets at reduced pressure (ports BV - PR - RT) with dumpvalves on each outlet

Unità di alimentazione con 3 ingressi ad alta pressione e 3 uscite a pressione ridotta (utilizzi BV - PR - RT) con valvola di messa scarico elettrica su ognuna di esse.

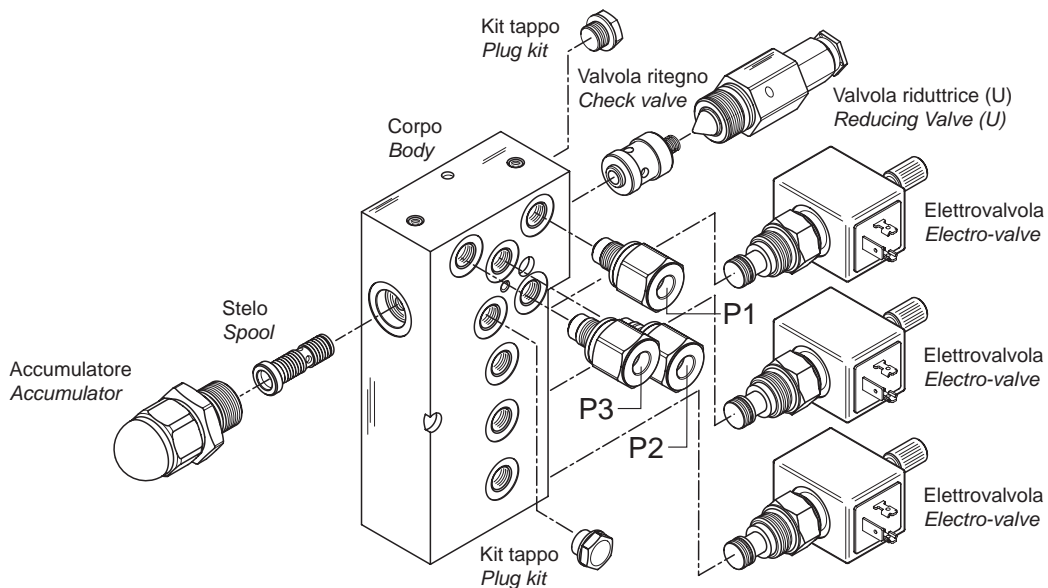
HC-SE3/3 VPE

DIMENSIONS - DIMENSIONI



Weight	13,22 lb
Massa (peso)	6,0 Kg

LAYOUT - CONFIGURAZIONE



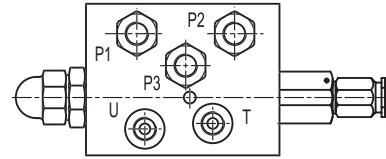
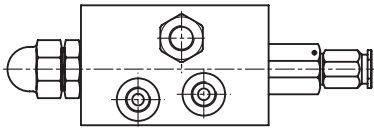
SPECIFICATION OF THE BODY - CONFIGURAZIONE CORPO

Standard body

Corpo standard

HC-SU2

HC-SU3



CODE SIGLA	DESCRIPTION DESCRIZIONE	SERVICE FILETTATURA	CODE SIGLA
RA	Standard Body	1/4" BSP	G02
	Corpo Standard	9/16".18 UNF	U02

CODE SIGLA	DESCRIPTION DESCRIZIONE	SERVICE FILETTATURA	CODE SIGLA
RB	Standard Body	1/4" BSP	G02
	Corpo Standard	9/16".18 UNF	U02

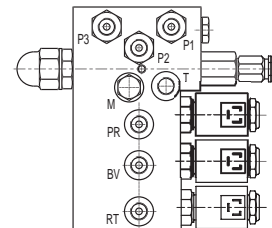
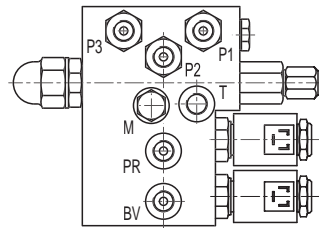
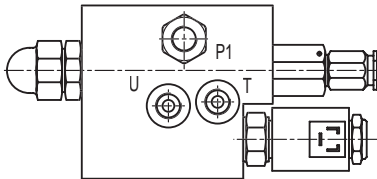
Body with electro-valve

Corpo con elettrovalvola

HC-SE2 - SE3/1 VPE

HC-SE3/2 VPE

HC-SE3/3 VPE



CODE SIGLA	DESCRIPTION DESCRIZIONE	SERVICE FILETTATURA	CODE SIGLA
RV	Body with electro-valve 12 VDC	1/4" BSP	G02
	Corpo con elettrovalvola 12 VDC	9/16".18 UNF	U02

CODE SIGLA	DESCRIPTION DESCRIZIONE	SERVICE FILETTATURA	CODE SIGLA
RW	Body with electro-valve 24 VDC	1/4" BSP	G02
	Corpo con elettrovalvola 24 VDC	9/16".18 UNF	U02


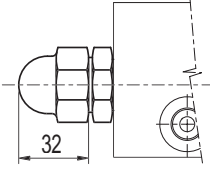

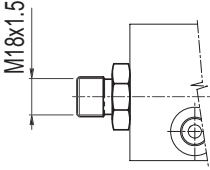

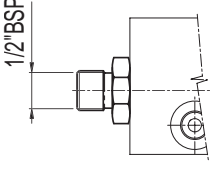

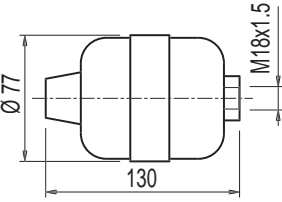

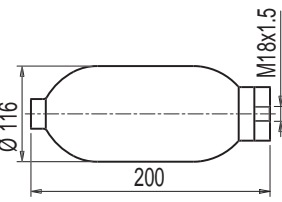

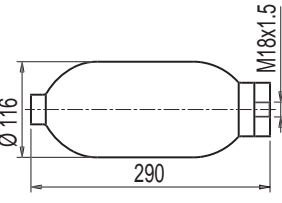
CODE SIGLA	DESCRIPTION DESCRIZIONE	SERVICE FILETTATURA	CODE SIGLA
RX	Body with electro-valve 26 VDC	1/4" BSP	G02
	Corpo con elettrovalvola 26 VDC	9/16".18 UNF	U02

Nominal voltage (V) Tensione nominale (V)	Resistance - Resistenza (Ohm) TA=20°C±7	Power - Potenza (W) Cold / steady - Freddo / regime	Current - Corrente (A) Cold - Freddo
12 DC	7.5	19	1.58
24 DC	29.5	19	0.81
26 DC	40	17	0.65

SPECIFICATION OF THE ACCUMULATOR - TIPOLOGIA ACCUMULATORE

Classification

Classificazione

DIAGRAM SCHEMA	OVERALL DIMENSIONS INGOMBRO	DESCRIPTION + CODE DESCRIZIONE + SIGLA	
		Without accumulator Senza accumulatore V01	
		Prearranged for accumulator Predisposizione per accumulatore V02	
		Prearranged for accumulator Predisposizione per accumulatore V03	
		Hydropneumatic accumulator with rubber membrane Volume nitrogen: lt. 0,35 - Precharge: 10 bar Accumulatore idropneumatico a membrana Volume di azoto: lt. 0,35 - Precarica: 10 bar V04	
		Hydropneumatic accumulator with rubber membrane Volume nitrogen: lt. 0,75 - Precharge: 10 bar Accumulatore idropneumatico a membrana Volume di azoto: lt. 0,75 - Precarica: 10 bar V05	
		Hydropneumatic accumulator with rubber membrane Volume nitrogen: lt. 1,5 - Precharge: 10 bar Accumulatore idropneumatico a membrana Volume di azoto: lt. 1,5 - Precarica: 10 bar V06	
Max. working pressure Max. pressione di esercizio	Working temperature Temperatura di esercizio	Max. allowed pressure ratio Rapporto di max.pressione ammessa	Accumulator precharge pressure Precarica accumulatore
210 bar	-20 +80°C	≤ 6/1	10 bar