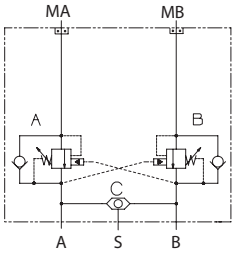
OPERATION

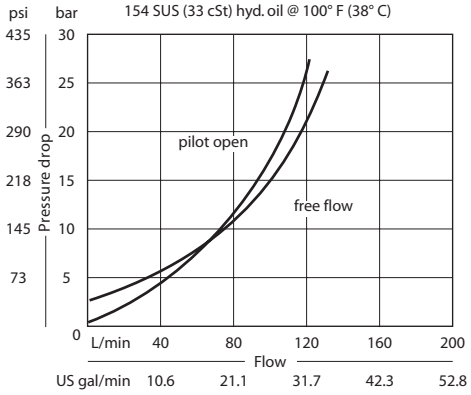
This is a dual counterbalance HIC with shuttle that mounts to OMT motors with BSP porting.

Schematic



SPECIFICATIONS

Theoretical performance

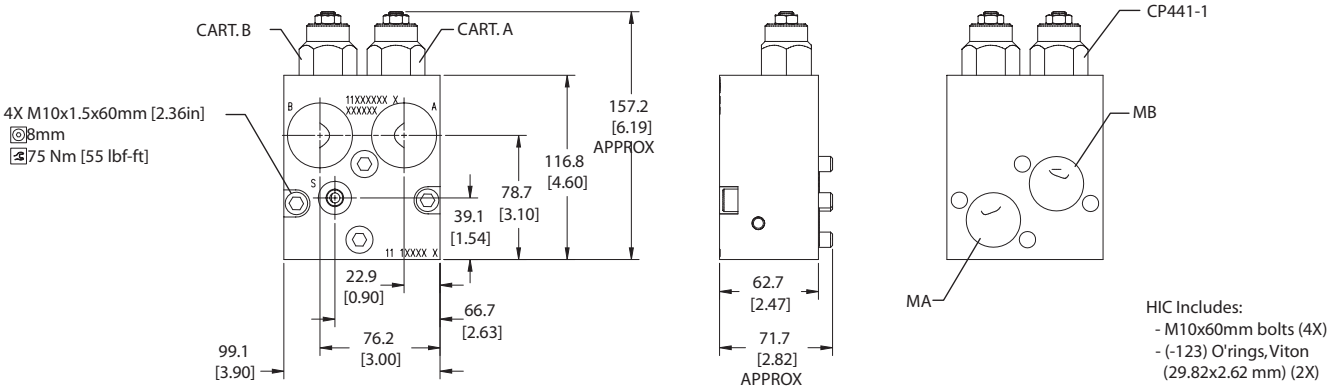


Specifications

Rated pressure	210 bar [3045 psi]
Rated flow at 22 bar [319 psi]	115 l/min [30 US gal/min]
Leakage	10 drops/min @ 70% of crack pressure
Weight	2.19 kg [4.83 lb]
Pilot ratio	3.0:1, 4.5:1, 10.0:1
Cartridge	CP441-1
Shuttle	CP124-1
Shuttle/drain port	#4 SAE (1/4 BSP)
Service mount kit	11023871
Motor	OMT

DIMENSIONS

Cross-sectional view mm [in]



ORDERING INFORMATION

MM-OMT-LS-DCP441-1-B-12S-E-A-250-10.0-015

- Motor mount
- Motor code
- Secondary valve
  LS = Load sense shuttle valve
- Dual counterbalance valve
- Seals
  B = Buna-N
  V = Viton
- Cartridge seal kit
  120335
  120336
- Housing and ports
  12S = Al, #12SAE
  6B = Al, 3/4 BSP
- Part #
  11026337
  11026338
- Adjust type
  E = External adjustment
  F = Tamper resistant
- Pressure range
  See CP441-1 for std. settings
  For pilot ratio 3:1
  A = 34-103 bar [500-1500 psi]
  B = 103-207 bar [1500-3000 psi]
  For pilot ratio 4.5:1
  A = 34-138 bar [500-2000 psi]
  B = 103-345 bar [1500-5000 psi]
  For pilot ratio 10:1
  A = 69-345 bar [1000-5000 psi]
- Free flow check crack pressure
  005 = .34 bar (5 psi)
  015 = 1.03 bar (15 psi)
- Pilot ratio
  3.0:1
  4.5:1
  10.0:1
- Cracking pressure
  Code x 10 = psi
  Example: 050 = 500 psi